BogoMips mini−Howto

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Revision History

Revision v38	2006−03−02
Added legal stuff, updated and enhanced revhistory, various improvements to the XML markup, general text editing, plenty of new entries and some corrections, and a new highest (6800.58), which is the real reason for a new update; added new section; added the translators' names; added a colofon; added birthdate of BogoMips (11 July 1993).	
Revision v34	2003−08−07
__ Jubilee edition: ten years of existence of the BogoMips mini−Howto. Ratings have now reached new peaks over 6000 BogoMips	
Revision somehow numbered 1.2	1999−11−12
Revision unnumbered publication. Probablye the first Linuxdoc SGML version. Highest just over 900	1999−02−08
Revision First publication	Late 1993
__ named BogoMips Information Sheet, well before the term Howto and mini−Howto were coined. Does anyone still have a copy of this text for me, please? Plain Ascii list.	

The mini−howto text gives information about BogoMips, compiled from various sources such as news and e−mail. New BogoMips entries for the mini−Howto, notably for unlisted CPUs, will be highly appreciated. They can be sent by e−mail to the author Wim van Dorst

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1. Introduction

This text, initially started back in 1993 as BogoMips Information Sheet, is retrievable in the most up−to−date version from its homepage at www.clifton.nl, and from the various Linux archives.

Translations from this English version (by Wim van Dorst) are reported to be available in Chinese, French (by Antoine Levavasseur), Hungarian (by Daczi László), Indonesian (by Mohammad Damt), Italian (by Federico Lucifredi), Russian (by Mikhail Korepanov), Spanish (by Juan Carlos Durán García), Slovak (by Filip Hroch) and several other languages (German, Norwegian, Polish, Japanese, Portugese), unfortunately without details yet, all from the appropriate archives.

An explanatory magazine article, titled 'the Quintessential Linux Benchmark,' was published in the Linux Journal, vol 21, January 1996. The BogoMips is also explained in the Jargon File and the Wikipedia.

New mini−Howto entries for unlisted CPUs will be highly appreciated. They can be sent by e−mail to the author Wim van Dorst

1.1. Colofon

This mini−Howto is currently written in Docbook XML 4.4. Early versions of the mini−Howto, in the '90s, were in plain ASCII text. Then in the last year of the '90, it was converted to then current HTML 3.x, upgraded later to HTML 4, and in 2000 further upgraded to Linuxdoc SGML. Since version v37 in 2004, the full blown Docbook XML is used, with the Linux Document Project XSL stylesheets, to better fit in with the other mini−Howtos and Howtos.

There is only one tool to edit the various files, and that is vi, the renowned Unix text editor. XML to xhtml conversion tools include xmlto and the xsl−stylesheets of the TLDP. For the Clifton website these sames tools and stylesheets are used; the different look and feel comes from the Clifton CSS.

2. The highest and lowest BogoMips ratings

The following are the highest and the lowest BogoMips ratings, as reported directly to me, or published on Usenet.

2.1. The highest single–CPU Linux boot sequence BogoMips value

- Michael Weiner, *weinert@sys2.de*
- Intel Xeon, at 3400 MHz
- 6800.58 BogoMips

2.2. The lowest Linux boot sequence BogoMips value

- Tim Van der Linden, *timvdl@innet.be*
- Intel 8088, at 4.77 MHz, ELKS
- 0.02 BogoMips

2.3. The highest dual core (SMP2, hypertreading) BogoMips value

- Brian Wheeler *bdwheele@indiana.edu*
- Hyperthreaded dual Xeon at 3060 MHz
- 24379.39 BogoMips

2.4. The highest multiple–CPU Linux boot sequence BogoMips value

- Dan Kirkpatrick, *dkirk@physics.syr.edu*
- 102 CPU Beowulf of Pentium IIIs, at 1000MHz
- 203862.30 BogoMips

2.5. The highest non–Linux BogoMips value

- *omega@sequent.com*
- Sequent Numa–Q, 32 Pentium CPUs at 180MHz
- Dynix operating system
- 3776.00 BogoMips

3. The frequently asked questions about BogoMips

Several authors have contributed to my knowledge of BogoMips. In this place, I would like to thank them highly.

3.1. What are BogoMips

Quoted from the Internet, origin unknown but brought to the attention by Eric S Raymond, *esr@thyrsus.com*, and Geoff Mackenzie, *freon@dialstart.net*, there is an humourously illustrative definition of BogoMips as "the number of million times per second a processor can do absolutely nothing."

On a more precise basis, from mail from Lars Wirzenius, *wirzeniu@kruuna.Helsinki.FI*, dated 9 September 1993, explaining BogoMips, with additional detailed information by Alessandro Rubini, *rubini@morgana.systemy.it*, and by howto−author Wim van Dorst:

> `MIPS is short for Millions of Instructions Per Second. It is a measure for the computation speed of a program. Like most such measures, it is more often abused than used properly (it is very difficult to justly compare MIPS for different kinds of computers).
>
> BogoMips are Linus's own invention. The linux kernel version 0.99.11 (dated 11 July 1993) needed a timing loop (the time is too short and/or needs to be too exact for a non−busy−loop method of waiting), which must be calibrated to the processor speed of the machine. Hence, the kernel measures at boot time how fast a certain kind of busy loop runs on a computer. "Bogo" comes from "bogus", i.e, something which is a fake. Hence, the BogoMips value gives some indication of the processor speed, but it is way too unscientific to be called anything but BogoMips.
>
> The reasons (there are two) it is printed during boot−up is that a) it is slightly useful for debugging and for checking that the computers caches and turbo button work, and b) Linus loves to chuckle when he sees confused people on the news.'

BogoMips are being determined in `/usr/src/linux/init/main.c` (simple C algorithm, with a nice example of floating point arithmetic within the fully integer kernel), and the pertaining kernel variable *loops_per_sec* is used in several drivers for more serious purpose. The actual delay function `udelay()` is in assembler, and therefore each port has its own definition in `/include/asm/delay.h`. The *loops_per_sec* variable and the `udelay()` function are used in numerous drivers, see:

```
cd /usr/src/linux #or where else source is located
find . -name '*.[hcS]' -exec fgrep loops_per_sec {} /dev/null \;
find . -name '*.[hcS]' -exec fgrep udelay {} /dev/null \;
```

The BogoMips calculation loop for the non Intel CPUs is similar but not the same, because it is programmed in another assembler language. BogoMips is however the only portable way over the various CPUs (Intel−type and non Intel−type) for getting an indication of the CPU speed. Even CPU clock speed is not available on all CPUs.

3.2. How to estimate what the proper BogoMips rating should be

From a initiative by Ian Jackson, *ijackson@nyx.cs.du.edu*, and Przemek Klosowski, then with just three or four entries, much updated and expanded by howto−author Wim van Dorst for current data, as listed below:

As a very approximate guide, the BogoMips can be calculated by:

System	BogoMips	Comparison
Intel 8088	clock * 0.004	0.02
Intel/AMD 386SX	clock * 0.14	0.8
Intel/AMD 386DX	clock * 0.18	1 (definition)
Motorola 68030	clock * 0.25	1.4
Cyrix/IBM 486	clock * 0.34	1.8
Intel Pentium	clock * 0.40	2.2
Intel 486	clock * 0.50	2.8
AMD 5x86	clock * 0.50	2.8
Mips R4000/R4400	clock * 0.50	2.8
Motorola 68040	clock * 0.67	3.7
PowerPC 603	clock * 0.67	3.7
Intel StrongArm	clock * 0.66	3.7
Nexgen Nx586	clock * 0.75	4.2
PowerPC 601	clock * 0.84	4.7
Alpha 21064/21064A	clock * 0.99	5.5
Alpha 21066/21066A	clock * 0.99	5.5
Alpha 21164/21164A	clock * 0.99	5.5
Intel Pentium Pro	clock * 0.99	5.5
Cyrix 5x86/6x86	clock * 1.00	5.6
Intel Pentium II/III	clock * 1.00	5.6
AMD K7/Athlon	clock * 1.00	5.6
Intel Celeron	clock * 1.00	5.6
Intel Itanium	clock * 1.00	5.6
Mips R4600	clock * 1.00	5.6
Intel Itanium 2	clock * 1.49	8.3
Alpha 21264	clock * 1.99	11.1
Centaur VIA	clock * 1.99	11.1
AMD K5/K6/K6-2/K6-III	clock * 2.00	11.1
AMD Athlon XP/Athlon 64	clock * 2.00	11.1
AMD Duron/Opteron	clock * 2.00	11.1
UltraSparc II	clock * 2.00	11.1
Pentium MMX	clock * 2.00	11.1
Pentium 4	clock * 2.00	11.1
Centaur C6-2	clock * 2.00	11.1
PowerPC 604/604e/750	clock * 2.00	11.1
Motorola 68060	clock * 2.01	11.2
Intel Xeon (hyperthreading)	clock * 3.97	22.1
Hitachi SH-4	not enough data (yet)	
IBM S390	not enough data (yet)	
Intel ARM	not enough data (yet)	

Note that the BogoMips calculation loop does not take full advantage of the parallelism of various processors, such as the Intel Pentium and the Alpha 21164. Also read the section on 'New BogoMips algorithm?' below, since for some of these CPUs recent kernels may give different data.

3.3. How to determine what the current BogoMips rating is

There are three methods to determine the current BogoMips, viz.

1. looking in */proc/cpuinfo*, e.g., with *`cat /proc/cpuinfo`*. This method is highly preferred above the alternatives.
2. looking in the syslog output to see what was printed there during booting. If you're lucky the information may still be on the booting virtual console (if necessary, switch to it with the Alt−F1 key combination), otherwise you can retrieve the information explicitly with dmesg or syslogk. This alternative gives accurate information but is more work.
3. using the standalone bogomips program. This is only recommended for non−Linux system, for reasons pointed out below.

A non−determinative alternative, which is also applicable for non−Linux systems such as Crays, Palm PDAs, DOS, and similar, may be a standalone BogoMips program. Some versions are currently available, viz., by Darrick Wong, *djwong@thibs.menloschool.org*, and by Philip Snowdon, *philips@users.sf.net*. Jeff Tranter, *jeff_tranter@mitel.com* was the original author. From his readme file:

> `Tired of rebooting your system so you can see how many BogoMips it's running at today? [...] "Bogomips" is a standalone program that displays your system performance using one of the world's most recognized benchmarks. It uses the same code that is used in the Linux kernel while booting, but runs as a user program. [...] Version 1.3 of BogoMips is now portable and should run on any system that supports an ANSI C compiler and library.'

Note that due to system load values calculated with a standalone program on Linux systems may be quite different from registered in the list below. Intrinsically a standalone program cannot give precisely similar information to the boot sequence BogoMips, since system load will compete with the program run by an ordinary user. Therefore only boot sequence BogoMips ratings are listed below.

Be aware that Jeff's original file on `sunsite.unc.edu`, named `/pub/Linux/system/status/bogo−1.2.tar.gz`, internally designated version 1.3, is rather outdated. Therefore, check out Darrick's program on `http://thibs.menloschool.org/~djwong/programs/bogomips/`, if still reachable. He even has a MSW*nd*ws binary version. And very interestingly, Phil Snowdon has developed the PalmOS version, to be found at `http://bogomips.sourceforge.net`.

3.4. Variations in BogoMips rating

From Linus Torvalds, *torvalds@cc.helsinki.fi*, explaining about the variation one may see in the BogoMips rating, in c.o.l.development, at 28 April 1994

> `The BogoMips calculation loop is "quantizised", so you're most likely to get the exact same number all the time. You usually will get different numbers only if the speed is just on the "edge", when small variations (different time for interrupt ticks etc) will make it jump from one value to the other.'

If a kernel is not compiled specifically for the pertaining CPU, also some (even large) variations of the BogoMips ratings can occur, mainly due to erroneous alignment. This problem apparently only occurs on the various x86 CPUs (Intel and clones). Fortunately it can easily be solved: recompile the kernel specifically for your CPU.

3.5. New BogoMips algorithm?

No, the BogoMips algorithm, contrarily to popular believe, did NOT change over the various kernel versions. Furthermore, it is intrinsically the same for all CPUs of all makes.

What did change from kernel version 2.2.13 to 2.2.14 is the CPU state setting just before the BogoMips calculation. This affects the BogoMips rating for all Intel and AMD Pentium variations, resulting in approximately 2*clock, if they were not 2*clock already.

The entries based on these upgraded kernel versions for CPUs where this change was actually relevant for (Pentium II/III, Celeron, Athlon) are marked in the list below with an initial * (star symbol).

3.6. BogoMips ... failed

Suggested by various questions on the net and private mail, e.g., by Lily, *lbliao@alumni.caltech.edu*, and by Pierre Frenkiel, *frenkiel@cdfap2.in2p3.fr*. In March 1995 they asked:

> `When I boot Linux I get the message:
>
> ```
> Calibrating delay loop.. ok - 23.96 BogoMips
> failed
> ```
>
> Where/why has the calibration delay loop failed?'

It didn't fail. If it had failed the text would have been

```
Calibrating delay loop.. failed
```

What likely did fail was a driver for some gadget which you may not have in your machine. Just after calculating the BogoMips rating all device drivers are initiated. First the SCSI devices, then Net devices, etc. Any failure is duly reported. Noteworthy is the AHA152x driver. Other effects of failing drivers (and not of failing BogoMips calculations) are systems crashes, long waits, and complete system locks, somewhere close to (just before or just after) outputting the ok − xx.xx BogoMips text.

Since Linux 1.2 many error messages have improved, so upgrade to at least that version to find out which particular driver it is that is failing. Also recompile the kernel to only include the drivers that are actually needed for your hardware configuration.

3.7. What about clone CPUs (Cyrix, NexGen, AMD, etc)

Cyrix 486−like CPUs need cache enabling software, sometimes referred to as BogoBoost software. Cyrix 5x86 and 6x86 CPUs may have their BogoMips improved drastically by branch−prediction (BIOS option). Note that the performance improvement may be marginal. There are several packages available for adjusting Cyrix CPUs, such as the BogoBoost patch, cx5x86mod, and set6x86, all from the normal archives, in obvious

places. It is reported the Cyrix 6x86 CPUs may give better performance when the kernel is compiled with 486−optimization, instead Pentium−optimization.

NexGen 386−enhanced CPUs, marked as Nx586, are listed as 386−like, since the fact that they are performing like Pentium machines is not relevant to BogoMips.

AMD 5x86, also denoted as AMD 486DX5, are quadrupled 486/33 machines. They are fully in line with other 486 CPUs. The AMD K5 and the K6 are Pentium−like CPUs, with their own BogoMips multipliers.

3.8. Why to pay attention to BogoMips

Let me add that there are only two reasons for paying attention to the BogoMips rating that is presented on booting Linux:

1. To see whether it is in the proper range for the particular processor, its clock frequency, and the potentially present cache. Many CPUs are prone to faulty setups of
    - memory cache setting (write−back is wrong for BogoMips, often reported lower than 5; write−through is ok)
    - turbo−buttons (should be ON)
    - BIOS−software emulated fake cache (change it for real cache)
    - similar cache and clock related things, sometimes also BIOS−software related
2. To see whether your system is faster than mine. Of course this is completely wrong, unreliable, ill−founded, and utterly useless, but all benchmarks suffer from this same problem. So why not use it? This inherent stupidity has never before stopped people from using benchmarks, has it? :−)

    Note of the author: this remark was made somewhere in the mid nineties when comparing high BogoMips rates for some low−capacity CPUs with high clockrates (e.g., 486) to rates for CPUs with lower clock rates but much more capacity (e.g., Pentiums).

More serious uses for real benchmarking are addressed in the Linux Benchmarking Howto by Andre D. Balsa.

4. Compilation of ratings

The following table gives some reported BogoMips ratings for various systems: close to 2000 entries by about 1500 different persons, from over 50 different countries. Each entry lists the CPU type (e.g. Pentium M); the clock speed (/1700) in MHz; the BogoMips rating with two decimals, and the reporter's name and e−mail address. Note that the ratings here are from the actual Linux booting sequence, except of course for the section on Non−Linux Systems. And all e−mail addresses have been anti−spam manipulated: replace @_ with @ for the original reporter.

Some entries are marked with an '*'. See the chapter above about the 'New algorithm?' for explanation. Other abbreviations used in the tables include *overcl* for overclocked CPUs running at a higher clockrate than it is officially purchased for, *SMP* for Symmetric MultiProcessing, and *ht* for hyperthreading, listed under SMP.

4.1. 386 systems: SX, DX, Nexgen

System	BogoMips	Reporter
386SX/8 undercl	1.04	Andrew Costa <c_chaos@_wahnapitae.on.ca>
386SX/12	1.78	Klaus Kettner <kk@_sesom.de>
386SX/16	1.99	James Vahn <jvahn@_short.circuit.com>
386SX/16 Packard Bell	2.05	<root@_Belvedere\%hip-hop.suvl.ca.us>
386SX/16	2.09	David E. Fox <dfox@_belvedere.sbay.org>
386SX/16	2.15	W Stevens <wgsteven@_math.uwaterloo.co>
386SX/16	2.2	Lech Marcinkowski <puolalm@_tekla.fi>
386SX/16	2.23	Andrew Bulhak <acb@_yoyo.cc.monash.edu.au>
386SX/16	2.23	Steven M. Gallo <smgallo@_cs.buffalo.edu>
386SX/16	2.34	Kevin Burtch <kburtch@_pts.mot.com>
386SX/16 turbo	2.38	Andrew Haylett <ajh@_gec-mrc.co.uk>
386SX/16 0c	2.43	Adam Clarke <adamc@_loose.apana.org.au>
386SX/16	2.49	Waymon <waymon@_pacifier.com>
386SX/20	2.7	Alex Strasheim <astrashe@_nyx.cs.du.edu>
386SX/20	2.70	J.L. Brothers <brothers@_halcyon.com>
386SX/20	2.89	Anders Stenback <anders.stenback@_gmail.com>
386SXL/25 AMD	2.9	Vaughan R. Pratt <pratt@_sunburn.stanford.edu>
386SX/25 AMD 0c	3.06	K.J. MacDonald <kenny@_festival.ed.ac.uk>
386SX/25 AMD	3.38	Hamish Coleman <hamish@_zot.apana.org.au>
386SX/25 0c	3.52	Rogier Wolff <r.e.wolff@_et.tudelft.nl>
386SL/25 Intel	3.57	S Harris <harris@_teaching.physics.ox.ac.uk>
386SX/25 AMD	3.62	S Harris <harris@_teaching.physics.ox.ac.uk>
386SXL/25 AMD 0c	3.71	David E.A. Wilson <david@_cs.uow.edu.au>
386SX/33 Intel	3.92	Yves Bellefeuille <yan@_storm.ca>
386SX/33 Intel	4.06	Kenneth J. Hoover <ken@_psuedvax.psu.edu>
386SX/33	4.71	Alexander Komlik <apkom@_l.ukrcom.kherson.ua>
386SX/40 Intel 0c	6.03	Michael Kenyon <u3g12@_keele.ac.uk>
386DX/16	2.49	Mike <mike@_emgee.demon.co.uk>
386DX/20 Intel	3.0	Malcolm Reeves <reeves@_rocky1.usask.ca>
386DX/20 Intel	3.08	Si. Harris <harris@_teaching.physics.ox.ac.uk>
386DX/20 Nec Powermate	3.22	David J Dawkins <davidd@_isl.co.uk>
386DX/20 Micronics	3.25	M Haardt <u31b3hs@_informatik.rwth-aachen.de>
386DX/20	3.67	Joost Helberg <jhelberg@_nlsun8.oracle.nl>
386DX/25	3.91	Ian McCloghrie <imcclogh@_cs.ucsd.edu>
386DX/25	3.92	Test Man <mr_nobby@_yahoo.com>
386DX/25	3.95	Grant Edwards <grante@_aquarius.rosemount.com>
386DX/25 0cache	3.96	J.O. Williams <jow@_techbase.com>
386DX/25 32cache	4.53	J.M.A. Lahtinen <jmalahti@_klaava.Helsinki.FI>
386DX/33	5.86	Tim Lacy <timla@_microsoft.com>
386DX/33 64cache	5.99	Lars Wirzenius <wirzeniu@_kruuna.Helsinki.FI>

```
386DX/33 Intel          5.99   Harri Pasanen <hpasanen@_cs.hut.fi>
386DX/33 no387          6.03   Joel B.Levin <levin@_bbn.com>
386DX/33 387            6.03   Peter Bechtold <peter@_fns.greenie.muc.de>
386DX/40                6.21   J.L. Brothers <brothers@_halcyon.com>
386DX/33                6.46   Dennis Robinson <djrobins@_uxa.cso.uiuc.edu>
386DX/33                6.5    Dean Nelson <deannelson@_aol.com>
386DX/33 387 256cache   6.65   Wim van Dorst <baron@_clifton.hobby.nl>
386DX/33                6.65   R Lim <ricklim@_opus.freenet.vancouver.bc.ca>
386DX/33                6.7    Craig Hagan <hagan@_cih.com>
386DX/40                6.99   Ken Wilcox <wilcox@_math.psu.edu>
386DX/40 AMD            7.76   Joe Phillips <rchandra@_letter.com>
386DX/40 AMD            7.10   Kerry Person <kperson@_plains.NoDak.edu>
386DX/40                7.10   D. Bikram Singh <a336dhal@_cdf.toronto.edu>
386DX/40 128cache       7.23   Julian Francis Day <jfd0@_aber.ac.uk>
386DX/40 bogoboosted    7.23   Pat St Jean <stjean@_math.enmu.edu>
386DX/40 AMD 128cache   7.23   Bergs <rabe@_akela.informatik.rwth-aachen.de>
386DX/40 slow DRAM      7.26   John Lockwood <lockwood@_pan.vlsi.uiuc.edu>
386DX/40 128c           7.29   Karsten Friese <ftdkafr@_ftd.ericsson.se>
386DX/40                7.29   E.C. Garrison <ericg@_nickel.ucs.indiana.edu>
386DX/40                7.29   Darin Cowan <cowan@_rubicon.org>
386DX/40                7.29   Bonne van Dijk <bonne@_cs.utwente.nl>
386DX/40 AMD            7.76   Todd Lindner <tlindner@_panix.com>
386DX/40                7.76   Bear Giles <bear@_indra.com>
386DX/40 AMD 387 64c    7.91   <wires@_gnu.ai.mit.edu>
386DX/40                7.98   F Pilhofer <fp@_informatik.uni-frankfurt.de>
386DX/40 64c            7.98   Dean Junk <dpjunk@_mm.com>
386DX/40 AMD 32c        7.98   Tommy Olsen <tommyo@_ifi.uio.no>
386DX/40 AMD            7.98   James Reith <reith@_racores.com>
386DX/40                7.98   Aaron T. Baldie <atb@_u.washington.edu>
386DX/40 128c           7.98   John Pate <jpate@_easynet.co.uk>
386DX/40                7.98   Christian Nelson <cnelson@_csugrad.cs.vt.edu>
386DX/40                7.98   Alan Peckham <peckham@_drei.enet.dec.com>
386DX/40                8.06   Michael Guslick <michaelg@_alpha2.csd.uwm.edu>
386DX/40                8.06   Richard Brown <brown@_midget.towson.edu>
386DX/40                8.06   Bill G. Bohling <bs146@_tali.uchsc.edu>
386DX/40 AMD            8.06   McWilliam <hamishpmcwilliam@_netscape.net>

Nx586/90 NexGen        67.44   <root@_wgw.mnsinc.com>
Nx586/90 NexGen        67.44   Robert Gehring <rag@_cs.tu-berlin.de>
Nx586/90 NexGen        67.48   David G. Eckard <dgeckard@_eos.ncsu.edu>
Nx586/100 NexGen       74.34   Cameron L. Spitzer <cls@_truffala.sj.ca.us>
Nx586/100 NexGen 256c  74.56   Marius Groenendijk <marius@_cray-systems.lu>
Nx586/110 NexGen 256c  81.51   Michael J. Micek <mmicek@_muddcs.cs.hmc.edu>
Nx586/110 NexGen       81.51   Ron Marsh <rmarsh@_plains.nodak.edu>
```

4.2. Oddly or faultily configured 386 systems

```
System              BogoMips  Reporter
386DX/16 387 nocache   0.57   H. Peter Anvin <hpa@_nwu.edu>
386DX/25               0.82   P Wright <philip.wright@_purplet.demon.co.uk>
386DX/25 nocache       1.03   Mark A. Horton <mahmha@_crl.com>
386SX/16               1.5    Stefan Kromer <sk@_galaxy.sunflower.sub.org>
386SX/16               1.6    Bill Davidsen <davidsen@_tmr.com>
386SX/20               1.87   Paul C. Dulany <pcdulany@_wam.umd.edu>
386SX/20               2.45   Roger Harkess <roger@_visi.com>
386DX/25(?) 128c       6.03   Chuck Meo <meo@_solbourne.com>
386DX/20              13      Ed Runnion <erunnio@_hubcap.clemson.edu>
```

4.3. 486 systems

System	BogoMips	Reporter
486SX/20 DECpc	9.98	Thomas Pfau <pfau@_cnj.digex.com>
486SX/25	12.24	M. Buchenrieder <mibu@_scrum.greenie.muc.de>
486SX/25	12.3	Darren McKay <e9bh@_unb.ca>
486SX/25	12.42	Mark R. Lindsey <mlindsey@_nyx.cs.du.edu>
486SX/25	12.42	Samuel Thibault <samuel.thibault@_ens-lyon.fr>
486DX/25	12.5	Phillip Hardy <phillip@_mserve.kiwi.gen.nz>
486SX/25	12.52	Emmanual Emore <emor7672@_elan.rowan.edu>
486DX/33 256c	16.33	Eric Kemminan <ekemmina@_pms709.ms.ford.com>
486DX/33	16.35	Christopher L. Morrow <cm43@_andrew.cmu.edu>
486DX/33	16.43	Rob Janssen <pe1chl@_amsat.org>
486DX/33 64cache	16.44	H. Peter Anvin <hpa@_nwu.edu>
486DX/33 256c DIY	16.44	Wouter Liefting <wlieftin@_cs.vu.nl>
486DX/33 Intel 128c	16.44	Rafal Kustra <g1krakow@_cdf.toronto.edu>
486DX/33	16.5	Alex Freed <freed@_europa.orion.adobe.com>
486DX/33	16.6	Vaughan R. Pratt <pratt@_Sunburn.Stanford.EDU>
486DX/33 noturbo	16.61	Vetter <cbvetter@_informatik.th-darmstadt.de>
486DX/33	16.61	Jeffrey L. Newbern <jnewbern@_athena.mit.edu>
486DX/33	16.61	Giuseppe De Marco <gdemarco@_freenet.hut.fi>
486DX/33	16.61	M Heuler <heuler@_informatik.uni-wuerzburg.de>
486DX/33	16.61	Frank Lofaro <ftlofaro@_unlv.edu>
486SX/33	16.64	Jacob Papenfuss <webmaster@_the-corridor.com>
486SX/33	16.64	Samuel Thibault <samuel.thibault@_ens-lyon.fr>
486DX/33	16.77	Donald Lewis <dlewis@_jackson.freenet.org>
486DX/33	16.77	Stephan Boettcher <staphan@_alzt.tau.ac.il>
486DX/33 256c	16.77	D Manchester <mustang@_tartarus.uwa.edu.au>
486DX/40	19.8	Jose Calhariz <cal@_minerva.inesc.pt>
486DX/40	19.91	M Heuler <heuler@_informatik.uni-wuerzburg.de>
486DX/40	19.96	David A. Ranch <dranch@_ecst.csuchico.edu>
486DX/40 AMD	19.97	M Haardt <u31b3hs@_informatik.RWTH-Aachen.DE>
486DX/40 Intel	19.97	Paul van Spronsen <vspr@_teppic.sun.ac.za>
486DX/40	19.97	Ulf Tietz <ulf@_rio70.bln.sni.de>
486DX/40	19.97	<Eberhard_Moenkeberg@_p27.rollo.central.de>
486DX/40	19.97	Zoltan Lajber <lajbi@_lajli.gau.hu>
486DX/40	19.97	Wim van Dorst <baron@_wiesje.hobby.nl>
486DX/40 AMD	20	Chuck Munro <chuckm@_canada.hp.com>
486DX/40 AMD	20.09	Pieter Eendebak <peendebak@_bbsw.idn.nl>
486DX/50	24.48	Arnd Gehrmann <arnd@_rea.de>
486DX/50 AMD	24.85	Klaas Hemstra <hst@_mh.nl>
486DX/50 DTK	24.85	Randolph Christophers <randyc@_lna.oz.au>
486DX/50	24.85	Kevin Lentin <kevinl@_bruce.cs.monash.edu.au>
486DX2/50	24.85	Jason Matthew <jmatthew@_kn.pacbell.com>
486DX2/50	24.85	Gregory P. Smith <smithgr@_cs.colorado.edu>
486SX2/50	24.93	Christian Lederer <mail@cpu-museum.de>
486DX/50 VLB	24.97	Tom Miller <tvtom@_en.com>
486DX/50	24.99	Jeff <css@_erols.com>
486DX/50 Intel 256c	24.99	Mike <mike@_emgee.demon.co.uk>
486DX/50	25	Robert Herzog <rherzog@_rc1.vub.ac.be>
486DX2/50	25	M. Abrahamsson <swmike@_uplift.df.lth.se>
486DX2/50	25.0	Christian Holtje <choltje@_ux1.cso.uiuc.edu>
486DX2/50 DECpc	25.04	Thomas Pfau <pfau@_cnj.digex.com>
486DX2/50 Eisa	25.04	John Willing <willing@_cimage.com>
486DX2/50 256c	25.04	Zhou Yanmo <zhou@_gauss.math.usf.edu>
486DX/50	25.04	Michael Kress <kress@_hal.saar.de>
486DX2/50	25.04	Mats Wikholm <mwikholm@_news.abo.fi>
486DX2/50	25.04	J C Delepine <delepine@_linux.u-picardia.fr>
486DX/50	25.04	J C Delepine <delepine@_linux.u-picardia.fr>
486DX/50	25.04	Kevin Burtch <kburtch@_pts.mot.com>
486DX/50 notebook	25.04	Pierre Frenkiel <frenkiel@_cdfap1.in2p3.fr>

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486DX/50              25.10   Heuler <heuler@_informatik.uni-wuerzburg.edu>
486DX2/50             25.4    Brian Kennedy <bkenned@_hubcap.clemson.edu>
486DX2/66             32      Lee Sau Dan <h9210876@_khuxa.hku.hk>
486DX2/66             32.87   Samuel Thibault <samuel.thibault@_ens-lyon.fr>
486DX2/66             32.9    Frederick <niles@_axp745.gsfc.nasa.gov>
486DX2/66             33      Alec Muffett <alecm@_uk-usenet.uk.sun.com>
486DX2/66             33      NN <coolefa@_pmifeg.com>
486DX2/66             33      Steve Tinney <sjt@_enlil.museum.upenn.edu>
486DX2/66 Intel       33      Chuck Munro <chuckm@_canada.hp.com>
486DX2/66 VLB         33.0    Sebastien Dedieu <dedieu@_emi.u-bordeaux.fr>
486DX2/66 AMD         33.05   G Skinner <gskinner@_gwsunix1.crystalball.com>
486DX2/66 VLB         33.18   Pablo Iranzo Gomez <iranzop@_gong.ci.uv.es>
486DX2/66 VLB         33.18   Dag Wieers <dag@_digibel.be>
486DX2/66             33.18   Remco den Besten <besten@_rdr.nl>
486DX2/66             33.20   Arnd Gehrmann <arnd@_rea.com>
486DX2/66 Intel/PCI   33.22   C Menke <carsten.menke@_post.uni-bielefeld.de>
486DX2/66             33.22   Brian Ricker <gt2327c@_prism.gatech.edu>
486DX2/66             33.22   Don Bennett < <don@_engr.mun.ca>
486DX2/66             33.22   Robert Heller <heller@_cs.umass.edu>
486DX2/66             33.22   Warwick Ward-Cox <wwar@_lostlink.alt.za>
486DX2/66             33.22   Chien-An Chen <giant@_nwu.edu>
486DX2/66 Eisa/VL     33.22   Serge <sviznyuk@_magnus.acs.ohio-state.edu>
486DX2/66 AMD         33.22   Wayne Robinson <wayner@_renoir.cftnet.com>
486DX2/66 Intel       33.22   Jim Barber <yeul@_marsh.cs.martin.edu.au>
486DX2/66             33.22   Tom Lowery <tlowery@_mcs.kent.edu>
486DX2/66             33.27   Viznyuk <sviznyuk@_magnus.acs.ohio-state.edu>
486SX2/66             33.28   Jacob Papenfuss <root@_the-corridor.com>
486DX2/66             33.3    Devon Tuck <devon@_netcom.com>
486DX2/66 256cache    33.4    H. Peter Anvin <hpa@_nwu.edu>
486DX2/66             33.5    Jongyoon Lee <mr2@_netcom.com>
486DX2/66             33.5    Petrovsky Alexey <gong@_cs.msu.su>
486DX2/66             33.5    Sung Lee <slee2@_umbc.edu>
486DX2/66             33.55   Gene McCulley <mcculley@_greatwall.cctt.com>
486DX2/66             33.55   W. Zeilinger <wzeil@_doradus.ast.univie.ac.at>
486DX2/66             33.55   Donald Lewis <dlewis@_jackson.freenet.org>
486DX2/66             33.55   Eric Malkowski <malk@_world.std.com>
486DX2/66 0c          33.55   Chris Petit <mystere@_ix.net.com>
486DX2/66             33.55   <al-b@_minster.york.ac.uk>
486DX2/66             33.55   Jesper de Jong <jesper@_cas.et.tudelft.nl>
486DX2/66             33.55   John Paul Morrison <jmorriso@_bogomips.com>
486DX2/66             33.55   Arash <ei39594@_ios.chalmers.se>
486DX2/66             33.55   Ralph Lewis <rlewis@_mail.wsu.edu>
486DX2/66             33.55   Ulisses Alonso Camaro <alonso@_bebe.uv.es>
486DX2/66             33.55   <bussmann@_wolpi.infomatik.uni-bonn.de>
486DX2/66 Intel/PCI   33.55   L J LaBash <labash@_lcjones.aclib.siue.edu>
486DX2/66 Intel       33.55   Andrew Tubbiolo <enigma@_seds.lpl.arizona.edu>
486DX2/66             33.55   W Fink <werner.fink@_physik.uni-stuttgart.de>
486DX2/66 ICL         33.55   Mathias Koerber <mathias@_solomon.technet.sg>
486DX2/66             33.55   Bill Pogue <gwp@_dithots.dithots.org>
486DX2/66 256c        33.58   Theo Scott <rkwtgs@_pukrs3.puk.ac.za>
486DX2/66             33.7    Triantafillou <triant@_pegasus.montcleair.edu>
486DX2/66 256c Intel  33.81   S Harris <harris@_teaching.physics.ox.ac.uk>
486DX2/66             33.9    Magnus Back <erambk@_eraj.ericsson.se>
486DX2/66 notebook    33.9    Robert A Knop <rknop@_mop.caltech.edu>
486DX2/66             34.06   Al Clark <aclark@_netcom.com>
486DX4/75 notebook    37.38   January W <jweiner1@_ix.urz.uni-heidelberg.de>
486DX4/75             37.47   G Asmundarson <grettir@_wordperfect.com>
486DX2/80             39.83   Samuel Thibault <samuel.thibault@_ens-lyon.fr>
486DX2/80             39.93   Andrew Tubbiolo <enigma@_seds.lpl.arizona.edu>
486DX2/80 overcl/66   39.94   Mario L. Guttierez <mgutier@_mentor.sdu.edu>
486DX2/80 AMD         39.94   Corey D Brenner <brenner@_umr.edu>
486DX2/80             39.94   Dan Delaney <cgdela01@_homer.louisville.edu>
```

```
486DX2/80              39.94   D tHaar <danny@_caution.cistron.nl.mugnet.org>
486DX2/80 overcl       39.94   Peter Suetterlin <ps@_kis.uni-freiburg.de>
486DX2/80 overcl       39.94   Alex Montaron <canal@_multimania.com>
486DX2/80 AMD          39.94   JL Gomez <kitana!sysop@_caprica.com>
486DX2/80 AMD          39.94   Pete Krawczyk <pkrawczy@_uiuc.edu>
486DX2/80 AMD          40      Rene Baart <baart@_simplex.nl>
486DX2/80 AMD          40      Wolfgang Kalthoff <wo@_rio70.bln.sni.de>
486DX2/80              40.0    Rick Brown <ccastrb@_prism.gatech.edu>
486DX2/80 AMD          40.14   Jon Lewis <jlewis@_inorganic5.chem.ufl.edu>
486DX2/80 AMD          40.14   Richard S. Stone <rstone@_edgp.com>
486DX2/80              40.15   Oleg <oleg@_hpcms.co.il>
486DX2/80 AMD          40.18   Adri Verhoef <a3@_a3.xs4all.nl>
486DX2/80              40.18   Mats Andtbacka <mandtback@_abo.fi>
486DX2/100 AMD overcl  49.14   Jon Lewis <jlewis@_inorganic5.chem.ufl.edu>
5x86/100 AMD undercl   49.66   NN <root@_tailor.aleim.net>
486DX4/100             49.66   Pete Cervasio <cervasio@_airmail.net>
486DX4/100 256c        49.71   L Pressler <lutz.pressler@_med-stat.GWDG.de>
486DX4/100             49.71   Brett Gersekowski <bgrerseko@_powerup.com.au>
486DX4/100 Intel 256c  49.77   Angelo Haritsis <ah@_doc.ic.ac.uk>
5x86/100 AMB undercl   49.77   Bernd Hentig <bernd.hentig@_guug.de>
486DX4/100             49.78   Aurel Balmosan <aurel@_xylo.owl.de>
486DX4/100             49.87   Chris Saia <minkie@_concentric.net>
486DX4/100             49.87   Aaron Brick <abrick@_dcc.uchile.cl>
486DX4/100             50      Donald Lewis <dlewis@_jackson.freenet.org>
486DX4/100             50.02   Peter Skov Knudsen <gogol@_ask.diku.dk>
486DX4/100             50.02   Shadow Weaver <djamison@_students.wisc.edu>
486DX4/100 AMD         50.3    Dave <shodan@_shodan.clark.net>
486DX4/100 AMD         50.04   Tony Smolar <asmolar@_fast.net>
486DX4/100             50.05   fredk <fredk@_shadow.net>
486DX4/100             50.06   Ronald Prague <ronp@_fisnet.net>
486DX4/100             50.08   Matt Gisher <matt@_matt.fidalgo.net>
486DX4/100             50.08   Steven A. Duchene <sduchene@_cis.ysu.edu>
486DX4/100             50.08   Miles O'Neal <meo@_schoneal.com>
486DX4/100             50.08   Will <zxmvg07@_hp12.zdv.uni-tuebingen.de>
486DX4/100             50.08   Piet de Bondt <bondt@_dutiws.twi.tudelft.nl>
486DX4/100 laptop      50.08   Karl Kleinpaste <karl_kleinpaste@_cs.cmu.edu>
486DX4/100 256c        50.08   Thomas Kanschik <y0000997@_ws.rz.tu-bs.de>
486DX4/100             50.08   Linas Vepstas <linas@_fc.net>
486DX4/100             50.08   Ed Daiga <daiga@_engin.umich.edu>
486DX4/100 notebook    50.08   Gerry Quejada <fd863@_cleveland.freenet.edu>
486DX4/100 AMD         50.08   B Schuller <schuller@_ind136a.wi.leidenuniv.nl>
486DX4/100             50.08   J.L. Brothers <brothers@_halcyon.com>
486DX4/100             50.08   David E.A. Wilson <david@_cs.uow.edu.au>
486DX4/100             50.08   Mark Lumsden <root@_titan2.physics.mcmaster.ca>
486DX4/100             50.08   Ashar <ashar@_netcom12.netcom.com>
486DX4/100             50.08   Jacob Waltz <waltz@_pcjiw.lampf.lanl.gov>
486DX4/100             50.08   Tom Sinclair <sinner@_cafe.net>
486DX4/100 AMD         50.08   G. Skinner <gskinner@_gwsunix1.crystalball.com>
486DX4/100 AMD         50.08   Nick Savoiu <nick@_ritz.mordor.com>
486DX4/100             50.08   Thomas J Fisher <twb5odt@_nmia.com>
486DX4/100             50.08   Pascal Pensa <pensa@_aurora.unice.fr>
486DX4/100             50.08   Julian Bradbury <julian@_xabcs.demon.co.uk>
486DX4/100             50.51   Frederic Potter <frederic@_swing.ibp.fr>
486DX4/100             50.66   Bill Stegers <bill_ste@_zeelandnet.nl>
486DX4/120 256c        59.1    Kevin <kalichwa@_oakland.edu>
486DX4/120 AMD         59.80   Mark Tranchant <mat92@_ecs.soton.ac.uk>
486DX4/120 AMD         59.80   Fred Broce <fbroce@_atlanta.com>
486DX4/120 AMD         59.90   Marko Ovaska <ovaska@_cc.helsinki.fi>
486DX4/120 AMD         59.80   Bob Purdon <bobp@_mpx.com.au>
486DX4/120 AMD         59.80   Pat Young <dice@_netbsd.warped.com>
486DX4/120             59.91   Will <zxmvg07@_hp12.zdv.uni-tuebingen.de>
486DX4/120 AMD 256c    60.01   Angelo Haritsis <ah@_doc.ic.ac.uk>
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486DX4/120 overcl     60.45   Pascal Pensa <pensa@_aurora.unice.fr>
486DX4/120            60.45   Neal Howard <neal@_metronet.com>
486DX4/120 AMD        60.45   Oscar Belmar Madrid <obelmar@_anakena.usach.cl>
486DX4/120            60.45   Jason Buchanan <jsb@_digistar.com>
486DX4/120            60.45   Forsterling <dirk@_informatik.uni-frankfurt.de>
486DX4/120            60.45   Bernd Hentig <bernd@_finow.snafu.de>
5x86/133 AMD          66.15   NN <root@_tailor.aleim.net>
5x86/133 AMD          66.15   Brad Wilson <bwilson@_deltanet.com>
5x86/133 AMD          66.15   Paul S. Doyle <paul.doyle@_mci.com>
5x86/133 AMD          66.44   P Krekola <perttu@_ntcmar01ba.ntc.nokia.com>
5x86/133 AMD          66.44   V. Tailor <vtailor@_ibm.net>
5x86/133 AMD          66.55   Andrew B. Cramer <cramer@_ripco.com>
5x86/133 AMD          66.56   Bob Nielsen <nielsen@_primenet.com>
5x86/133 AMD          66.65   Geoff Raye <gtraye@_igsrsparc2.er.usgs.gov>
5x86/133 AMD          66.7    Klaas Hemstra <hst@_mh.nl>
5x86/133 AMD          66.80   N.N. <vp24njcb@_ubvms.cc.buffalo.edu>
5x86/133 AMD   256c   67.10   Vasily Lewis <nn@_nn.com>
5x86/133 AMD          67.10   James Reith <reith@_racores.com>
5x86/133 AMD   256c   67.10   Yves Rougy <yrougy%siam@_cal.fr>
5x86/133 AMD   256c   67.10   Peter A. Koren <pkoren@_lvdc20.dseg.ti.com>
5x86/133 AMD   256c   67.10   Wim Joppe <joppe@_xs4all.nl>
5x86/133 AMD   256c   67.10   Gunnar Stefansson <gunnars@_rhi.hi.is>
5x86/133 AMD   256c   67.10   Vernard Martin <vernard.martin@_cc.gatech.edu>
5x86/150 AMD overcl   74.75   Sergio Riveros <riveros@_musca.unm.edu>
5x86/150 AMD overcl   74.75   Arthur K. Chan <artchan@_cs.ucr.edu>
5x86/160 AMD overcl   79.87   Suencksen <msuencks@_techfak.uni-bielefeld.de>
5x86/160 AMD overcl   79.87   J. Chris Hammond <cosmo@_pcisys.net>
5x86/160 AMD overcl   79.87   Bird Chen <luca@_linux.taiwan.hp.com>
5x86/160 AMD overcl   79.89   Geir Skaugen <geir.skaugen@_energy.sintef.no>
5x86/160 AMD overcl   79.89   Martin Vernon <martin@_gw6hva.demon.co.uk>
5x86/160 AMD overcl   79.92   T. Zerucha <zerucha@_shell.portal.com>
5x86/160 AMD overcl   80.36   Paul Colucci <pcolucci@_acsu.buffalo.edu>
5x86/160 AMD overcl   80.36   Steinar Haug <sthaug@_nethelp.no>
5x86/160 AMD overcl   80.36   James Daniel <triadmin@_bga.com>
5x86/160 AMD          80.36   David H.S. Oh <david@_std.net>
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4.4. Oddly or faultily configured 486 systems

```
System              BogoMips  Reporter
486DX/33 0c            1.45   Mark Gray <vatavian@_gvu1.gatech.edu>
486SL/25 0c            1.95   Paraskevas Evripidou <skevos@_seas.smu.edu>
486DLC/40 0c           2.45   S.Schendel <sschend@_magnus.acs.ohio-state.edu>
486DX/33 128c          2.94   P.J. Nefkens <p.nefkens@_student.utwente.nl>
486DX4/120 AMD         3.04   Andrew Steinbach <stei0113@_maroon.tc.umn.edu>
486DX5/133 AMD         3.05   Eric Hagen <ehagen@_hawaii.edu>
486DX4/100 Cyrix       3.06   Stuart Harvey <sharvey@_primenet.com>
486DX5/133 AMD         3.06   Charles Galpin <chg@_severn.wash.inmet.com>
486DX4/100             3.06   Bear Giles <bear@_indra.com>
486DX2/80              3.08   Gerald E. Butler <gbutler@_phoenix.kent.edu>
486DX4/120 AMD         3.08   Charles Hines <chuck_hines@_vnet.ibm.com>
486DX4/66 256c         3.10   Riccardo Capella <mc8508@_mclink.it>
486DX4/100 wb-cache    3.10   Paul Close <pdc@_sgi.com>
486DX4/120             3.13   Brian Perkins <bperkins@_netspace.com>
486DX4/120 AMD         3.15   <eruston@_net2.intserv.com>
486DX4/100             3.17   Thomas Sudbrak <sudbrak@_borneo.gmd.de>
486SLC2/50 Cyrix       3.30   Colin J. Wynne <cwynne@_sage.wlu.edu>
486DX/33               3.61   Marten van de Laan <marten@_cs.rug.nl>
486DX/33 noturbo       3.61   Dimitris Evmorfopoulos <devmorfo@_mtu.edu>
486DX4/120             3.74   Brian Wheeler <bdwheele@_indiana.edu>
486DX4/120 AMD         3.74   Fr Pilhofer <fp@_informatik.uni-frankfurt.de>
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   486DX4/100 Cyrix 256c  4      Joel Kelso <joel@_cs.murdoch.edu.au>
   486DX/33 256c noturbo  4.25   Wouter Liefting <wlieftin@_cs.vu.nl>
   486DX/33               4.66   Mark Gray <vatavian@_gvu1.gatech.edu>
   486Rx2 Cyrix 25/50     4.85   <cosc19v2@_menudo.uh.edu>
   486SX/33 noturbo       5.21   Scott D. Heavner <sdh@_fishmonger.uucp>
   486DX2/66 overdrive    5.37   Jeremy Orr <jeremy@_careercenter.sfsu.edu>
   486DX/33               5.66   Ryan Tucker <rtucker@_ttgcitn.com>
   486DX2/66              5.88   P.J. Nefkens <p.nefkens@_student.utwente.nl>
   486DX4/100             5.94   Howard Goldstein <hg@_n2wx.ampr.org>
   486DX4/100 AMD         5.94   Mr Pink <vince@_dallas.demon.co.uk>
   486DX4/100 notebook    6.55   Thomas <tom@_dirac.physik.uni-konstanz.de>
   486DX4/100 notebook    6.55   Hugh McCurdy <hmccurdy@_ix.netcom.com>
   486SLC Cyrix           7      Pieter Verhaeghe <pive@_uia.ac.be>
   486SX/33               7.84   Paul Hedderly <prh6@_unix.york.ac.uk>
   486DLC/40              7.98   Wil Cromer <nwc2@_Ra.MsState.Edu>
   486DX/33 256c          8.27   Rohan Tronson <rohan@_kihi.com.au>
   486DX4/100            11.11   NN <usenet@_uxmail.ust.hk>
   486DX4/100            11.3    Earl Gooch <egooch@_mc.com>
*  486SLC/33 Cyrix       13.26   Daniel Path <danielp@_r-medialine.hu>
   486/66 Cyrix          13.02   Mike Baptiste <baptiste@_bnr.ca>
   486SLC2/25            14.6    Vaughan R. Pratt <pratt@_Sunburn.Stanford.EDU>
   486DX2/66 laptop      14.46   Robert Knop <rknop@_netcom.com>
   486SLC2/66            18.94   <root@_avalon.net>
   486DX/33 turbo        19.98   C Vetter <cbvetter@_informatik.th-darmstadt.de>
   486DX4/75             21.5    Theo Scott <rkwtgs@_pukrs3.puk.ac.za>
   486DX4/75             24.13   Sherman Hsieh <shieh@_csua.berkeley.edu>
   486DX2/58             26.3    Vassili Leonov <leonov@_iedv7.acd.com>
   486DX4/100 overclock  28.67   Theo Scott <rkwtgs@_pukrs3.puk.ac.za>
   486DX2/80             36      Mark Lee <mlee@_heartlab.rri.uwo.ca>
   486DX4/100 TI         39.94   Andre Lehrbach <lehrbach@_redamp.com.br>
   486DX2/80             50.08   Mark Lee <mlee@_heartlab.rri.uwo.ca>
   486DX4/100            60      Sebastien Dedieu <dedieu@_emi.u-bordeaux.fr>
   486DX2/100 overclock  60.45   Tony D Shan <tdsst9+@_pitt.edu>
   486DX5/133 AMD        75.40   Jeff Hyche <jwhyche@_scott.net>
   486DX5/133 AMD        80.08   NN <guesta@_slip-29-7.ots.utexas.edu>
   486DX5/133 AMD        87      John Wiggins <jwiggins@_comp.uark.edu>
```

4.5. 486 variations: Cyrix/IBM, UMC, Intel Overdrive

```
   System                BogoMips  Reporter
   486DLC/33                9.42   Dennis Robinson <djrobins@_uxa.cso.uiuc.edu>
   486DLC/33 387DX/40       9.47   Denis Solaro <drzob@_vectrex.login.qc.ca>
   486DLC/33 Cyrix wb       9.5    M. Asplund <matt@_xenon.cchem.berkely.edu>
   486DLC/33 Cyrix 386     11.2    Alex Freed <freed@_europa.orion.adobe.com>
   486DLC/40 256c          11.33   Schendel <sschend@_magnus.acs.ohio-state.edu>
   486Dx/40 Cyrix          11.73   Malcolm Bremer <malcolm@_strw.LeidenUniv.nl>
   486DRx2/40 Cyrix        13.10   Christopher Lau <clau@_acs.ucalgary.ca>
   486DX/33 Cyrix          13.21   M Haardt <u31b3hs@_informatik.RWTH-Aachen.DE>
   486DLC/40 bogoboost     13.21   Harry Pasanen <ps@_tekla.fi>
   486DLC/40 487 Cyrix     13.21   Ian A. Verschuren <iav@_po.CWRU.Edu>
   486DCL Cyrix            13.3    Tracer Bullet P.I. <ges@_earth.baylor.edu>
   486DLC/40               13.31   Adam Frampton <frampton@_access2.digex.net>
   486DLC/40               13.31   Rick Chow <crc@_cacs.usl.edu>
   486SLC-S/33             13.51   Brad Pepers <pepersb@_cuug.ab.ca>
   486DLC/40 no Cxpatch    15.47   Sergei O. Naoumov <serge@_envy.astro.unc.edu>
   486DLC/40 TI 128c       15.97   Philip K. Roban <phil@_seal.micro.umn.edu>
   486DLC/40 Cyrix         15.97   L.J. LaBash <labash@_lcjones.aclib.siue.edu>
   486DRx2/40              15.99   Christopher Lau <lauc@_fusion.cuc.ab.ca>
   486DX2/66 IBM no-FF     19      NN <coolefa@_pmifeg.com>
   486SLC2/66 IBM 64c      18.95   Sujat Jamil <sujat@_shasta.ee.umn.edu>
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486SLC2/66 IBM 128c      18.95  Sujat Jamil <sujat@_shasta.ee.umn.edu>
486SLC2/66               19.02  Harry Mangalam <mangalam@_uci.edu>
486SLC/50                19.28  Sion Arrowsmith <sion@_bast.demon.co.uk>
486BL3/75 IBM 256c       21.40  Anders Stenback <anders.stenback@_gmail.com>
486BL3/75 IBM 256c       21.50  Ming S. Chan <ming.chan@_canrem.com>
486DX2/66 Cyrix          26.62  Demian Marshall <dandfi@_nospam.shaw.ca>
486DX2/66 Cyrix 128c     26.63  Derek Kwan <dkwan@_zeus.UWaterloo.ca>
486DX2/66 Cyrix          26.63  Adrian Parker <adrian@_willen.demon.co.uk>
486DX2-S/66 256c         26.63  Jean-Marc Wislez <JeanMarc.Wislez@_rug.ac.be>
486DX2/66 Cyrix          26.63  Curran W. Fey <fey@_biotech.washington.edu>
486BL3/100 IBM 256c      28.36  Anders Stenback <anders.stenback@_gmail.com>

486SX-S/33 UMC 0c        20.20  Hynek Med <xmedh02@_manes.vse.cz>
486SX-S/40 UMC 0c        26.52  Hynek Med <xmedh02@_manes.vse.cz>
486SX-U5/40 UMC 0c       26.63  Dusan Mihajlovic <zdule@_herkules.co.yu>

P0DP5V63/63             124.51  Christian Lederer <mail@_cpu-museum.de>
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4.6. Pentium systems

```
System                BogoMips  Reporter
Pentium/60               23     Chien-An Chen <giant@_nwu.edu>
Pentium/60               23.96  Joost Helberg <jhelberg@_nlsun8.oracle.nl>
Pentium/60               23.96  Ulf Tietz <ulf@_rio70.bln.sni.de>
Pentium/60 Gateway       23.96  Manoj Kasichainula <mvkasich@_eos.ncsu.edu>
Pentium/60               23.96  Pierre Frenkiel <frenkiel@_cdfap1.in2p3.fr>
Pentium/60               23.96  Tim Oosterbroek <tim@_astro.uva.nl>
Pentium/60 NCR 3455      24     Mathias Koerber <mathias@_solomon.technet.sg>
Pentium/60               24     Joe Sloan <jjs@_engr.ucr.edu>
Pentium/60               24.0   Mark H. Wood <mwood@_indyvax.iupui.edu>
Pentium/60               24.13  R.M. van Rijswijk <rijswijk@_cs.utwente.nl>
Pentium/66               25     Chuck Munro <chuckm@_canada.hp.com>
Pentium/66               26.63  Jason M. Naughton <jnaughto@_ee.ryerson.ca>
pentium/66               26.84  Kelly Carmichael <kcarmich@_cln.etc.bc.ca>
Pentium/75 256c          29.5   Chris Dodd <cdodd@_super.win.or.jp>
Pentium/75               29.70  H. Cuijpers <hcuijpers@_maas-services.com>
Pentium/75               29.79  Scott M. Grim <sgrim@_netwalk.com>
Pentium/75               29.80  Torbjoern Kristoffersen <torbkris@_online.no>
Pentium/75               29.95  Steve Martin <smartin@_mrg.uswest.com>
Pentium/75               30.22  Zoran Marjanski <bagzor@_enterprise.ca>
Pentium/75               30.22  Andrew Buckby <c4ab1@_dmu.ac.uk>
Pentium/75               30.22  Stuart Nuttall <u9230106@_sys.uea.ac.uk>
Pentium/90 notebook      32.73  Rich Neves <neves@_cs.colorado.edu>
Pentium/83 overdrive     33.55  JCS <jean-claude.schwartz@_contiteves.com>
Pentium/90               34.07  A. Galbraith <ajgalb@_postman.essex.ac.uk>
Pentium/90 zappa 256c    35.6   Sebastien Dedieu <dedieu@_emi.u-bordeaux.fr>
Pentium/90               35.84  Jason Nunn <jsno@_stormfront.com.au>
Pentium/90               35.88  Joe Anderson <CPJJA@_ttacs3.ttu.edu>
Pentium/90               35.88  Warwick Allison <warwick@_cs.uq.oz.au>
Pentium/90               35.94  Erik Walthinsen <omega@_teleport.com>
Pentium/90               36     Joe Sloan <jjs@_engr.ucr.edu>
Pentium/90               36     Larry Auton <lda@_nfa.research.att.com>
Pentium/90               36     Richard Knipe <knipe@_lobby.ti.com>
Pentium/90               36.0   Werner Almesberger <almesber@_lrc.epfl.ch>
Pentium/90               36.06  Rob J. Nauta <rob@_iaehv.nl>
Pentium/90               36.08  Leung Hon Wa <cshwleun@_cs.citu.edu.hk>
Pentium/90 Zeos          36.08  Chris Laurel <claurel@_mr.net>
Pentium/90               36.08  Ronald Prague <ronp@_fishnet.net>
Pentium/90               36.08  Adrian Blues <adrian@_hypereality.co.uk>
Pentium/90               36.08  Pak Yin Tam "Fred" <ptam@_eesun1.tamu.edu>
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Pentium/90                36.08  Jason Heiss <jheiss@_cco.caltech.edu>
Pentium/90                36.08  Tim Krantz <tek@_dsinc.com>
Pentium/90 Gateway        36.08  Pete Stewart <stewart@_bae.bellcore.com>
Pentium/90                36.08  Tom Manos <tmanos@_infi.net>
Pentium/90                36.08  Richard Mundell <R.Mundell@_uea.ac.uk>
Pentium/90                36.08  NN <usenet@_uxmail.ust.hk>
Pentium/90                36.08  Yavuz Batmaz <yavuzb@_knidos.cc.metu.edu.tr>
Pentium/90                36.08  Alan Skelley <askelley@_gpu.srv.ualberta.ca>
Pentium/90                36.08  Ralph Sims <ralphs@_locus.halcyon.com>
Pentium/90                36.08  Julian Bradbury <julian@_xabcs.demon.co.uk>
Pentium/90                36.08  Dan Langrill <langrlld@_mussel.cig.mot.com>
Pentium/90                36.08  Ravi Krishna Swamy <rkswamy@_eos.ncsu.edu>
Pentium/90                36.08  J.L. Brothers <brothers@_halcyon.com>
Pentium/90 Micronics      36.09  Andrew Brown <andrewbrown@_acm.org>
Pentium/90                36.27  Giao H Phan <giao@_concrete.resnet.upenn.edu>
Pentium/90 Plato          36.4   Joe Valenzuela <smarm@_ibm.net>
Pentium/90                36.5   Mike Kelleher <mikejk@_umfacad.maine.edu>
Pentium/90                36.9   Ted Gaunt <tgaunt@_pms701.pms.ford.com>
Pentium/100 overcl        38.39  Stefan Onderka <stefan.onderka@_metronet.de>
Pentium/100               39.52  Adrian Blues <adrian@_hypereality.co.uk>
Pentium/100 overcl        39.73  Phil Howard <phil@_clr.com>
Pentium/100               39.73  <Peter.Weiss@_informatik.uni-oldenburg.de>
Pentium/100 0c            39.73  Jason Crawford <jasonc1@_gramercy.ios.com>
Pentium/100 overcl        39.83  Stefan Onderka <stefan.onderka@_metronet.de>
Pentium/100               39.93  Tom Miller <tvtom@_en.com>
Pentium/100 Cyrix         39.94  Mike Holland <myk@_cygnus.uwa.edu.au>
Pentium/100               39.94  KAZ Vorpal <kaz@_upx.net>
Pentium/100 overcl        39.94  Donar G.E. Alofs <donar@_cs.vu.nl>
Pentium/100               39.94  Larry Snyder <larry@_trauma.iag.net>
Pentium/100               39.94  Ian Hill <ian@_hecate.phy.queensu.ca>
Pentium/100               39.94  John Crawford <link@_spu.edu>
Pentium/100               39.94  Alexandre de Menezes <menezes@_peta.com.br>
Pentium/100               39.94  Jered <jered@_mit.edu>
Pentium/100 overcl        39.94  Ian <irs2@_tweedledum.amp.york.ac.uk>
Pentium/100               39.94  Brian McGhee <brianm@_iceonline.com>
Pentium/100               39.94  M Skjelland <morten.skjelland@_pvv.unit.no>
Pentium/100               39.96  Dan Kha <dkha@_yorku.ca>
Pentium/100               39.98  Phillipe Charon <charron@_ecoledoc.ibp.fr>
Pentium/100               40.03  <bon@_elektron.ikp.physik.th-darmstadt.de>
Pentium/100               40.08  Ronny Spiegel <rspiegel@_htwm.de>
Pentium/100               40.18  David Baldwin <davidb@_exis.net>
Pentium/100               40.18  <habibie@_catevr.fiu.edu>
Pentium/120 Cyrix         47.8   Simon Ho <simon@_epsilon.win-uk.net>
Pentium/120               47.82  Jorge Juan-Chico <jjchico@_imse.cnm.es>
Pentium/120 Cyrix         47.92  Joel N. Squire <squire@_colorado.edu>
Pentium/120               47.93  Umberto d'Ortona <umberto@_grenet.fr>
Pentium/120 Cyrix         47.93  Jim T. Polk <jtpolk@_cris.com>
Pentium/120               47.93  Jon Trowbridge <trow@_mcs.com>
Pentium/120               47.98  Craig Bates <cbates@_psu.edu>
Pentium/120               47.92   Aaron Brick <abrick@_dcc.uchile.cl>
Pentium/120 Cyrix         48     Steve <horne@_mhd2.pfc.mit.edu>
Pentium/120               48.00  Michael Wazenski <mwazenski@_dsrnet.com>
Pentium/120 Intel         48.02  Scott M. Grim <sgrim@_netwalk.com>
Pentium/120 Cyrix         48.27  Glenn T Jayaputera <gjt@_budgie.apana.org.au>
Pentium/120               48.27  Roman Mitnitski <mitnits@_shany.net>
Pentium/120               48.27  Peter Walsh <pwalsh@_rain.org>
Pentium/120 Cyrix         48.2   Viznyuk <sviznyuk@_magnus.acs.ohio-state.edu>
Pentium/120               49.27  Simon Hargrave <simon@_revell.demon.co.uk>
Pentium/133               53.04  Wayne Roberts <wroberts@_aug.com>
Pentium/133               53.04  A.J. Wilson <wilston.austin.aj@_bhp.com.au>
Pentium/133               53.04  Gregory Travis <greg@_indiana.edu>
Pentium/133 overcl        53.04  A. Kunigelis <algikun@_santaka.sc-uni.ktu.lt>
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```
   Pentium/133 Intel        53.04  Jimmie Farmer <calvin@_malchick.com>
   Pentium/133              53.25  Chuck Mattern <cmattern@_mindspring.com>
   Pentium/133              53.26  Glenn Holt <gholt@_lsil.com>
   Pentium/133              53.26  Heikki Levanto <heikki@_lsd.ping.dk>
   Pentium/133              53.26  Chaim Tarshish <chaim@_ipl.med.nyu.edu>
   Pentium/133              53.26  Mitchell B. Hamm <hamm@_one.net>
   Pentium/133              53.26  Donald Lewis <dlewis@_jackson.freenet.org>
   Pentium/133              53.26  Jon Trowbridge <trow@_kremlin.emccta.com>
   Pentium/133              53.26  Charny Peete Mitchell <cpmiche@_eos.ncsu.edu>
   Pentium/133 256c         53.26  David Wuertele <dave@_gctech.com>
   Pentium/133 256c         53.68  Guiseppe Miceli <ferdy@_ccii.unipi.it>
   Pentium/133              53.68  Michael Kress <kress@_hal.saar.de>
   Pentium/150 Intel        59.80  Joel D. Young <jdyoung@_afit.af.mil>
   Pentium/150              60.01  Joost de Greef <joost@_stack.nl>
   Pentium/150 overcl       60.21  Duarte Cordeiro <l38404@_alfa.ist.utl.pt>
   Pentium/166              66.16  Pedro Soria-Rodriguez <sorrodp@_wpi.edu>
   Pentium/166              66.35  K. Visweswaran <kviswesw@_lehman.com>
   Pentium/166              66.36  T. Endo <enchan@_trc.rwcp.or.jp>
   Pentium/166              66.44  Donald Lewis <dlewis@_jackson.freenet.org>
   Pentium/166              66.76  F. Baitinger <baiti@_herrenberg.netsurf.de>
   Pentium/166              67.10  Jon Trowbridge <trow@_mcs.com>
   Pentium/166              67.10  Dylan <dylan@_ert.com>
   Pentium/166 512c         67.10  Dirk Freese <freese@_infra.de>
   Pentium/188 overcl       74.96  Reijo Pitkanen <reijop@_bzln.com>
   Pentium/200              79.66  Piete Brooks <Piete.Brooks@_cl.cam.ac.uk>
   Pentium/200              79.69  Timm Gleason <timm@_bess.net>
   Pentium/200              79.89  Dave S. Baker <dave@_acedia.demon.co.uk>
   Pentium/200              78.87  Nick D'Apice <ndapice@_erols.com>
   Pentium/200              80.08  Anders Stenback <anders.stenback@_gmail.com>
   Pentium/200              80.08  Steve Freeland <sfreel@_cs.mcgill.ca>
   Pentium/200              81.92  Steve Baur <steve@_xemacs.org>
*  Pentium/60              119.60  Luis Miguel Bruga <lmburga@_ieee.org>
*  Pentium/90              179.81  Gavin McDonald <gavitron@_telus.net>
*  Pentium/100 HP          197.00  Kevin Rutan <mt2mb@_neo.rr.com>
*  Pentium/100             198.66  Patrick Nichols <pat@_humbug.org.au>
*  Pentium/100             199.48  McWilliam <hamishpmcwilliam@_netscape.net>
*  Pentium/133             264.60  Lew Pitcher <lew.pitcher@_td.com>
*  Pentium/133             265.42  Max Vasin <max@_mail.ru>
*  Pentium/133             266.24  Vadim <root@_teleline.es>
*  Pentium/133             266.24  Loren J Donelsson <nojunk@_nojunk.com>
*  Pentium/166             331.78  Sabu <sabu@_chatpr.org>
*  Pentium/166             332.60  Electra Flarefire <bcrowe@_optushome.com.au>
```

4.7. Oddly or faultily configured Pentium systems

```
   System                BogoMips  Reporter
   Pentium/66               2.18   Bob Myers <root@_shyguy.lonestar.org>
   Pentium/90 notebook      9.5    Mark Maybee <markm@_cs.colorado.edu>
   6x86/120 Cyrix          52.32   Joel Boring <dwild@_eskimo.com>
   Pentium/83 Overdrive    82.85   Brian Smith <smithb@_laraby.tiac.net>
   Pentium/83 Overdrive    83.32   Scott Francis <mord@_netcom.com>
   Pentium/83 Overdrive    82.94   G. Spiegelberg <greg@_owens.ridgecrest.ca.us>
   Pentium/83 Overdrive    83.35   Jacek Polewczak <jacek.polewczak@_csun.edu>
   6x86/120 P120+overcl   104.86   Howard Poe <falcor@_kingsnet.com>
   Pentium MMX/266        130.66   <yorkchan@_hotmail.com>
   Pentium MMX/263 overcl 392.40   John Appleby <jma24@_cam.ac.uk>
   AMD K6-2/300           399.95   Chris Ebenezer <chriseb@_nortelworks.com>
   Pentium MMX/231        419.43   Juan Domenech <domenech@_mail.seric.es>
   Pentium MMX/263 overcl 435.87   Juan Domenech <domenech@_mail.seric.es>
   SMP4 Pentium Pro/200   700.13   R Carrico <robert_carrico@_themoneystore.com>
```

4.8. Pentium variations: Intel (MMX, Pro, II, Celeron, III, 4, M)

System	BogoMips	Reporter
Pentium MMX/133	265.77	Ron Peters <rpeters@_f15fast.al.intel.com>
Pentium MMX/150	307.53	Sami Sihvonen <buggy@_fix.no>
Pentium MMX/166 notebk	329.31	Massimo Pinto <pinto@_graylab.ac.uk>
Pentium MMX/166 notebk	331.75	NN <visionary@_aura.title14.com>
Pentium MMX/166	331.78	Rob Janssen <pe1chl@_amsat.org>
Pentium MMX/166	331.78	Dave Page <dave@_vale-housing.co.uk>
Pentium MMX/166	331.78	Matthew C. Sell <amtmcs@_amsta.leeds.ac.uk>
Pentium MMX/166	333.41	Sjoelie <patrick@_sjoel.xs4all.nl>
Pentium MMX/166	333.41	Viet Yen Nguyen <vt@_multiweb.nl>
Pentium MMX/166	333.41	Marcin Owsiany <porridge@_lo4.ids.bielsko.pl>
Pentium MMX/166	333.46	McWilliam <hamishpmcwilliam@_netscape.net>
Pentium MMX/180	358.81	David Efflandt <efflandt@_xnet.com>
Pentium MMX/200	398.13	Andy Saunders <andi@_numenor.oucs.ox.ac.uk>
Pentium MMX/200	398.13	A. James Lewis <james@_vrtx.net>
Pentium MMX/200	398.13	Sean Horan <sean@_psy.ed.asu.edu>
Pentium MMX/200	398.19	Fabio Comolli <comolli@_tin.it>
Pentium MMX/200	398.95	Reinhold J. Gerharz <rgerharx@_erols.com>
Pentium MMX/200	398.95	Eric Beymer <beymer@_soundex.com>
Pentium MMX/200	398.95	Duane Steel <dsteele@_direct.ca>
Pentium MMX/200	398.95	<ndpilatz@_undergrad.math.uwaterloo.ca>
Pentium MMX/200 mobile	398.95	Nam <nam@_netvigator.com>
Pentium MMX/200	399.77	Wei-shi Tsai <perdita@_dallas.crosswinds.net>
Pentium MMX/200	399.77	Erik Terpstra <erik@_solidcode.net>
Pentium MMX/200	400	Rob Jokinen <rjokinen@_rt66.com>
Pentium MMX/200	400.59	Paul Black <paul@_darwin.demon.co.uk>
Pentium MMX/200	400.59	Juho Cederstrom <cederstrom@_kolumbus.fi>
Pentium MMX/200	400.59	Bart <bart@_aceonline.com.au>
Pentium MMX/210 overcl	416.97	John Saunders <john@_nlc.net.au>
Pentium MMX/225 overcl	448.92	Ingo Reimann <reimann@_uni-muenster.de>
Pentium MMX/225 overcl	448.92	Mattias Hembruch <mghembru@_ece.uwaterloo.ca>
Pentium MMX/225 overcl	448.92	Larry Lade <lade@_btigate.com>
Pentium MMX/230 overcl	461.85	Rene Stanneveld <edge@_huizen.nhkanaal.nl>
Pentium MMX/233	463.67	Rui M.B. Machado <rui@_nifdl7.fd.ul.pt>
Pentium MMX/233	463.67	Rob Janssen <pe1chl@_amsat.org>
Pentium MMX/233	463.67	Jose Maria Perez Box <jmpbox@_etsin.upm.es>
Pentium MMX/233	465.31	Per Andersson <ppan@_cntw.com>
Pentium MMX/233	466.94	Eric George <ergeorge@_worldnet.att.net>
Pentium MMX/233	466.94	Mv Overbruggen <marcel@_johannes.iconnect.nl>
Pentium MMX/233	466.94	Keith Beacham <kbeacham1@_sympatico.ca>
Pentium MMX/233	466.94	Erwin Lubbers <erwin@_box.nl>
Pentium MMX/250 overcl	498.07	Maarten van Rossum <m@_vr.xs4all.nl>
Pentium MMX/266 overcl	525.93	Frank <r2@_xs4all.nl>
Pentium MMX/266	532.48	Wade Mealing <root@_damage.com>
Pentium MMX/290 overcl	581.63	Brian <eradicator@_home.com>
Pentium Pro/133	132.88	John D. Sundberg <jdsundberg@_mmm.com>
Pentium Pro/150	149.50	Rogier Wolff <wolff@_bitwizard.nl>
Pentium Pro/180	179.61	Chuck Fee <fee@_ch4549.org>
Pentium Pro/200	197.42	Michael Griffith <grif@_cs.ucr.edu>
Pentium Pro/200	197.42	Curtis Varner <carner@_cs.ucr.edu>
Pentium Pro/200	198.84	Erik Max Francis <max@_alcyone.com>
Pentium Pro/200	198.84	Marc Winkler <marcus@_healthchex.com>
Pentium Pro/200	199.04	V. Bostrom <Vareck_Bostrom@_ccm.jf.intel.com>
Pentium Pro/200	199.06	Justin Clancy <justin@_hippos.demon.co.uk>
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Pentium Pro/200	199.06	Laszlo Herczeg <las@_light-house.com>

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   Pentium Pro/200          199.07  Stefan <boresch@_schuber.u-strasbg.fr>
   Pentium Pro/200          199.07  Greg Fausak <lgfausak@_august.com>
   Pentium Pro/200          199.07  Chris Jones <chris@_planetsymphone.com>
   Pentium Pro/200          199.07  Matthew S. Crocker <matthew@_crocker.com>
   Pentium Pro/200          199.07  Roberto <rc@_cr.com>
   Pentium Pro/200          199.95  Reinhold J. Gerharz <rgerharx@_erols.com>
   Pentium Pro/200          200.32  Gil Megidish <gmegidis@_ort.org.il>
   Pentium Pro/200          200.32  Jose Navarro <jnavarro@_aoc.nrao.edu>
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   Pentium Pro/200          200.32  Adrian L. Hosey <ahosey@_cs.indiana.edu>
   Pentium Pro/233 overcl   234.43  S. Curtarolo <auro@_spiro.fisica.unipd.it>
   Pentium Pro/400          397.31  Lamarque Vieira Souza <lamarque@_dcc.ufmg.br>
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*  Pentium II/118           234.29  Jose Gerardo A Quejada <gquejada@_nsclub.net>
   Pentium II/266           265.42  Jon Trowbridge <trow@_kremlin.emccta.com>
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   Pentium II/266           266.24  John Calison <jcalison@_mindspring.com>
   Pentium II/266           267.06  James McKinnon <jmack@_phys.ualberta.ca>
   Pentium II/266           267.06  Greg <gl2hughes@_undergrad.math.uwaterloo.ca>
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   Pentium II/266           272.79  Frank Hale <frankhale@_worldnet.att.net>
   Pentium II/300 overcl    299.01  Martin Lathoud <nytral@_endirect.qc.ca>
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   Pentium II/333           332.60  Eric Games <frequenc@_laf.cioe.com>
   Pentium II/350           347.34  NN <silkythreads@_home.com>
   Pentium II/350           349.80  Rizzoli <rizzoli@_planet.it>
   Pentium II/350           349.80  Jeff Bishop <jbish@_airmail.net>
   Pentium II/400           396.49  Abhijit Menon-Sen <ams@_wiw.org>
   Pentium II/400           396.49  Sven Skrivervik <sven.skrivervik@_eunet.no>
   Pentium II/400           398.13  Floris Martens <fmartens@_bigfoot.com>
   Pentium II/420 overcl    416.15  Rafal <rafamiga@_uucp.polbox.pl>
   Pentium II/448 overcl    447.28  Mathieu Bois <mathieu.bois@_nomura.co.uk>
   Pentium II/450           447.28  Mathieu Bois <mathieu.bois@_nomura.co.uk>
   Pentium II/450           447.28  Stuart Nuttall <stu@_etcs.demon.co.uk>
   Pentium II/450           447.28  Richard R. Urena <urena@_wilde.oit.umass.edu>
   Pentium II/450           447.28  Brantley Jones <bjones@_cte.net>
   Pentium II/450           447.28  Esmail Bonakdarian <esmail@_uiowa.edu>
   Pentium II/466           462.03  Bjorn Lindgren <bjorn@_chiba.cx>
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   Pentium II/504 overcl    502.99  David Hand <dhand@_best.com>
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*  Pentium II/266           532.48  Kenny Gryp <gryp@_dakin.be>
*  Pentium II/272           542.31  Ton <ton@_somedomain.com>
*  Pentium II/300           594.73  Alasdair Earl <aearl@_ph.ed.ac.uk>
*  Pentium II/307           614.40  Nicolas Boiteux <athome1@_caramail.com>
*  Pentium II/333           663.55  John Ferriby <john@_interbroad.com>
*  Pentium II/350           688.12  Niek <niek@_niek.net>
*  Pentium II/350           699.50  Jan <jan-bruchsal@_gmx.net>
*  Pentium II/350           699.59  Kenny Gryp <gryp@_dakin.be>
*  Pentium II/350           699.60  Teun Warnaar <tat@_dds.nl>
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*  Pentium II/400           792.99  Abhijit Menon-Sen <ams@_wiw.org>
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*  Pentium II/400 mobile   797.90  Marvin Pierce <mpierce@_bigpond.net.au>
*  Pentium II/450          894.56  Scott <scott421@_bellsouth.net>

   Celeron/300             299.83  Abhijit Menon-Sen <ams@_wiw.org>
   Celeron/300             299.97  Helmut <helmut@_cancon.com>
   Celeron/300             307.20  Richard M. Sugg <richardsugg@_earthlink.net>
   Celeron/333             332.6   Florian <florian@_egon-bbs.n-a-m.de>
   Celeron/333             330.96  Douglas E Harmon <genius91@_gate.net>
   Celeron/366             367.00  Raul Belisario <storm@_gold.com.br>
   Celeron/400             398.13  Polaris <polaris_c@_my-deja.com>
   Celeron/466 overcl      462.03  Tim Moore <timothymoore@_bigfoot.com>
   Celeron/500             498.07  Falk Herwig <fherwig@_uvic.ca>
   Celeron/500             499.71  Bruce H <xxx@_att.net>
*  Celeron/300             598.01  R.J. Bergeron <rjber1@_geocities.com>
*  Celeron/400             799.53  Mike <rapacity@_ii.net>
*  Celeron/433             865.07  Rob Farrel <rpf@_comcast.net>
*  Celeron/433             868.35  Abhik Sarkar <asarkar@_optoconnect.net.in>
*  Celeron/450             897.84  Mike <rapacity@_ii.net>
*  Celeron/466             927.33  John Pester <johnp@_sonicwall.com>
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*  Celeron/700            1386.08  Roberto Giungato <roberto@_giungato.it>
*  Celeron/800            1599     Yves Bellefeuille <yan@_storm.ca>
*  Celeron/900            1795.68  Hannes Schmiderer <bogomips_o@_schmiderer.cc>
*  Celeron/950            1900.54  Hans-Willem Geitz <hw.geitz@_chello.nl>
*  Celeron/1035           2064.38  Marlboro <marlboro_chen@_163.net>
*  Celeron/1200           2398.61  Christian Lederer <mail@_cpu-museum.de>
*  Celeron/1300           2601.77  Jan Verner <jan@_jan.cz>
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*  Celeron/1700           3420.97  Darryl Bryant <dazp@_zip.com.au>
*  Celeron/2000           4030.46  Predrag Ivanovic <predivan@ptt.yu>
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*  Celeron/2530           5013.50  Julio Ortiz <julot@_rocketmail.com>
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   Pentium III/450         450.56  Rogier Spieker <rogier@_metallica.com>
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   Pentium III/600         598.02  Elaine Wenderholm <wender@_cs.oswego.edu>
   Pentium III/600         599.65  Donna Williams <silkythreads@_home.com>
   Pentium III/600         599.65  Steve Cousins <cousins@_umit.maine.ude>
   Pentium III/733         733.73  Ryan Snodgrass <ryan_snodgrass@_my-deja.com>
   Pentium III/733         734.00  Steve Cousins <cousins@_umit.maine.ude>
   Pentium III/750         747.11  Yong <yonliu@_my-deja.com>
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*  Pentium III/500          999.42  Shawn D. MacIntyre <sdm1560@_hotmail.com>
*  Pentium III/500          999.42  Dominic.Baines <dombaines@mmbq.demon.co.uk>
*  Pentium III/500          999.75  Darrick Wong <DarrickWong@_mindspring.com>
*  Pentium III/500         1002.70  Emanoil Kotsev <emanuel@t2u.com>
   Pentium III/900         1028.92  Charles Reese <creese@_engr.ucsb.edu>
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*  Pentium III/550         1094.45  Benedicto Junior <benjr@_elo.com.br>
*  Pentium III/550         1101.00  Chris Budde <chrisb@_internation.co.uk>
*  Pentium III/550         1101.50  Julius Wijaya <jwijaya@_gmx.co.uk>
*  Pentium III/560         1117.39  Jurriaan <thunder@_xs2all.nl>
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*  Pentium III/645         1287.78  Dimitri <d_barsoukov@_hotmail.com>
*  Pentium III/666         1327.10  Fred Strauss <usenet@_strider.co.za>
*  Pentium III/666         1330.38  Bacsi Roland <broland@_freemail.hu>
*  Pentium III/700         1389.36  Abhijit Menon-Sen <ams@_wiw.org>
*  Pentium III/700         1399.19  Vipul Mathur <vipul@_linux-delhi.org>
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*  Pentium III/700         1405.74  Sam Worf <samworf@_newsguy.com>
*  Pentium III/700         1441.79  <a.giachino@_ekkinc.com>
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*  Pentium III/750         1490.94  Werther Chieric <w_chierici@_hotmail.com>
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*  Pentium III/1000        1985.74  Mathieu Bois <mathieu.bois@_laposte.net>
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   Pentium 4/1400         2785.28  Hans Loos <hans_loos@_hp.com>
   Pentium 4/1400 Mobile  2785.28  Frank Herrmann <fh15@_inf.tu-dresden.de>
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   Pentium 4/1800         3617.58  James Cowie <jcownie@_etnus.com>
   Pentium 4/2000         3961.24  Craig McCluskey <diesel01@_vla.com>
   Pentium 4/2000         3971.48  Timothy A. Chagnon <tchagnon@_nc.rr.com>
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   Pentium 4/2000         3984.58  Gurkan Sengun <gurkan@_linuks.mine.nu>
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   Pentium 4/2200         4377.80  John Davies <john.davies@_c24.biz>
   Pentium 4/2400         4793.23  Istvan Mayer <mayer@_chemres.hu>
   Pentium 4/2400         4836.55  Spufi <spufi@_pandora.be>
   Pentium 4/2530         5033.16  Andy Wiggin <awiggin@_alpinemicro.com>
   Pentium 4/2600         5128.19  Esben Pedersen <esben_pedersen@_tdcadsl.dk>
   Pentium 4/2600         5203.55  Janossy Laszlo <laca@_knet.ro>
   Pentium 4/2667         5321.52  Heiko Steindl <heiko@_steindl.com>
   Pentium 4/2800         5439.48  Kenny Gryp <gryp@_dakin.be>
   Pentium 4/2800         5521.40  Gerrit Holl <gerrit@_nl.linux.org>
   Pentium 4/2800         5596.77  Elie De Brauwer <elie@_de-brauwer.be>
   Pentium 4/2800         5596.77  Jurek Bartuszek <koxta@_koxta.net>
   Pentium 4/3000         5976.88  Peter Whysall <peter.whysall@_ntlworld.com>
   Pentium 4/3000         5989.99  Abjihit Menon-Sen <ams@_wiw.org>
   Pentium 4/3060         6094.84  Bacsi Roland <broland@_mailbox.hu>
   Pentium 4/3060         6121.06  Heiko Steindl <heiko@_steindl.com>
   Pentium 4/3200         6406.14  Carson Reynolds <carsonr@_media.mit.edu>
   Pentium 4/3200         6370.09  Scott <magic@_cyberglide.tv>
   Pentium 4/3400         6716.44  Heiko Steindl <heiko@_steindl.com>

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   Xeon/2400              4797.23  D Lombardo <dario.lombardo@_telecomitalia.it>
   Xeon/2660              5324.80  Shannon Elliott <shannon@_fortheweb.com>
   Xeon/3200              6307.84  Fabrizio Magni <fabrizio.magni@_rasnet.it>
   Xeon/3400              6800.58  Michael Weiner <weinert@_sys2.de>

   Itanium/733 SGI         730.88  Silvo Bozovicar <silve@_seed.aster.si>
   Itanium2/900 SGI       1342.17  Joe Griffin <joe.griffin@_mscsoftware.com>
   Itanium2/900           1346.37  Bill Maloy <bill.maloy@_goldinc.com>
   Itanium2/900           1342.17  Joe Griffin <joe.griffin@_mscsoftware.com>
   Itanium2/900           1346.37  Brent M. Clements <blcem@_rice.edu>
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   Pentium M/1600         3178.49  Martin Michlmayer <tbm@_cyrius.com>
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   Pentium M/2000         3923.96  Elie De Brauwer <elie@_de-brauwer.be>
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4.9. Pentium variations: Cyrix, AMD (K5/K6/K7, Duron, Athlon, Opteron), Centaur

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*   AMD Athlon/1330         2660.76  Bill Rhodes <wrhodes@_27.org>
*   AMD Athlon/1330         2667.31  Christian Leder <wilhelm@_gate.ledionline.de>
*   AMD Athlon/1400         2785.28  M. Greil <markus.greil@_pl.gcd-erlangen.de>
*   AMD Athlon/1400         2798.38  R.J. Bergeron <rjber1@_geocities.com>
*   AMD Athlon/1400         2791.83  Thomas Koester <rufus@_uos.de>
*   AMD Athlon/1400         2805.78  Christian Leder <wilhelm@_gate.ledionline.de>

    AMD Athlon XP/1200      2411.72  Y S Kang <electra@_nownuri.net>
    AMD Athlon MP/1500      2922.90  Bob Harvey <bobharvey@_engineer.com>
    AMD Athlon MP/1500      2929.45  Bob Harvey <bobharvey@_engineer.com>
    AMD Athlon XP/1500      2981.88  Donald R. Laster <laster@_dlaster.com>
    AMD Athlon XP/1525      3040.87  Gregg Wonderly <gergg@_cox.net>
    AMD Athlon XP/1533      3047.42  Tommy Tonteri <tommy.tonteri@_aktia.fi>
    AMD Athlon XP/1533      3080.19  Martin Kunz <kunzmartin@_gmx.ch>
    AMD Athlon XP/1600      3191.60  Dag Viggo Lokøe <dagvl@_kvarteret.org>
    AMD Athlon XP/1600      3191.60  Robert Munro <ramunro1@_ix.netcom.com>
    AMD Athlon XP/1600      3198.15  Fredrik Brokvist <frb@_post.utfors.se>
    AMD Athlon XP/1600      3217.81  David Brunke <david@_nantasketbeach.com>
    AMD Athlon XP/1666      3301.37  Didier Deshomme <dfdeshom@_ncsu.edu>
    AMD Athlon XP/1650      3303.01  Todd <matlabguru@_yahoo.com>
    AMD Athlon XP/1666      3322.67  T Hiekkalinna <tero.hiekkalinna@_helsinki.fi>
    AMD Athlon XP/1666      3322.67  Eric le Cam <ericlecam@_ifrance.com>
    AMD Athlon XP/1675      3342.33  Artego <gin@_mu.ru>
    AMD Athlon XP/1675      3342.33  Keith Gyarmati <frostlinux@_cinci.rr.com>
    AMD Athlon XP/1740      3473.40  Dominic.Baines <dombaines@mmbq.demon.co.uk>
    AMD Athlon XP/1800      3525.83  Donald R. Laster <laster@_dlaster.com>
    AMD Athlon 64/1800      3555.32  Elie de Brauwer <elie@_de-brauwer.be>
    AMD Athlon 64/1800      3619.06  Juergen Adolph <ja@_coffeecrew.net>
    AMD Athlon XP/1800      3643.72  Fredrik Starbringe <starbringe@_gmail.com>
    AMD Athlon XP/1800      3643.80  Mike Bosschaert <mike.bosschaert@_hccnet.nl>
    AMD Athlon XP/1800      3643.80  Robert Urban <urban@_unix-beratung.de>
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AMD Athlon XP/1840     3651.46  Yves Bellefeuille <yan@_storm.ca>
AMD Athlon 64/2000     3923.96  Sander Rijken <sr@_sander.yi.org>
AMD Athlon XP/2000     3973.12  Francisco Romo <fcoromo@_opensys.com.mx>
AMD Athlon 64/2000     3984.58  Jamie Campbell <osarid@_oracleatbelfry.com>
AMD Athlon MP/2000     3984.58  Donald R. Laster <laster@_dlaster.com>
AMD Athlon MP/2000     3997.69  Andreas Pflug <andreas.pflug@_cfagroup.de>
AMD Athlon XP/2100     4128.76  Christian Lederer <mail@_cpu-museum.de>
AMD Athlon XP/2100     4168.08  Gerrit Holl <gerrit@_nl.linux.org>
AMD Athlon XP/2100     4168.08  Ingo Reimann <post@_i-reimann.de>
AMD Athlon XP/2100     4141.87  Bill Rhodes <wrhodes@_27.org>
AMD Athlon XP/2175     4325.37  Herbert Wengatz <herbert@_wengatz.de>
AMD Athlon 64/2200     4325.37  Wayne Stallwood <wayne@crimsontechnology.com>
AMD Athlon 64/2255     4456.44  Mark <baskitcaise@_firstbyte.biz>

AMD Opteron/1400       2785.28  Bill Maloy <bill.maloy@_goldinc.com>
AMD Opteron/1400       2804.94  Bill Maloy <bill.maloy@_goldinc.com>
AMD Opteron/1800       3530.75  Julio Ortiz <julot@_rocketmail.com>
AMD Opteron/1800       3588.09  Julio Ortiz <julot@_rocketmail.com>

AMD SC1100/266          530.84  Jan Ceuleers <jan.ceuleers@_computer.org>
AMD Sempron/1500       3001.54  Donald R. Laster <laster@_dlaster.com>
AMD Sempron/1660       3293.18  Francisco Romo <fcoromo@_opensys.com.mx>
AMD Sempron/1800       3571.71  Chad Jakob <webmaster@_odcevansville.com>

Centaur C6/200           79.46  James Rotenberry <rotenber@_jmr.lasx.com>
Centaur C6-2/233        154.83  Joe Noble <noble@_flashman.com>
Centaur C6-2/200        397.31  James Yang <jamesy@_noemail.com>
Centaur C6/200          397.31  McWilliam <hamishpmcwilliam@_netscape.net>
Centaur C6-2/200        398.13  Paolo Cravero <cravero@_athena.polito.it>
Centaur C6-2/240        478.41  Petr Slansky <slansky@_usa.net>

Centaur VIA Sam2/533   1046.52  Toon v/d Pas <toon@vanvergehaald.nl>
Centaur VIA Sam2/600   1196.03  Brent W. York <bwyork@_comcast.net>
Centaur VIA III/700    1399.19  Rudy Ketterer <ideur@_yahoo.com>
Centaur VIA Sam2/735   1461.45  Jim Jozwiak <av832@_lafn.org>
Centaur VIA Sam2/735   1468.00  Francisco Romo <fcoromo@_opensys.com.mx>
Centaur VIA Exra/900   1789.13  Duke Robillard <duke@_dummy-io.com>
Centaur VIA Ezra/930   1861.22  Marc van Lieshout <marc@_lithia.nl>
Centaur VIA Neh/1000   1985.74  Christian Lederer <mail@_cpu-museum.de>
Centaur VIA Neh/1000   1985.74  Felix Dierich <phaelicks@_web.de>
Centaur VIA C5P/1200   2383.87  Christian Lederer <mail@_cpu-museum.de>
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4.10. Alpha systems

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System             BogoMips  Reporter
21064/150 Jensen        146.80  Jon Davidsson <e98jd@_efd.lth.se>
21064/150 Jensen        147.85  Stefano <terraneo@_my-deja.com>
21064/150 Jensen        148.37  Linus Torvalds <torvalds@_cc.helsinki.fi>
21064/150 Jensen        149.49  J.L. Brothers <brothers@_halcyon.com>
21064/150 Jensen        148.89  Martin Osterman <ost@_comnets.rwth-aachen.de>

21064A/233 AS225 Avanti 228.58  Roberto Giungato <roberto@_giungato.it>
21064A/233 Avanti       230.16  Rich Griswold <rgriswold@_us.ibm.com>
21064A/275 Cabriolet    271.58  Michal Jaegermann <michal@_phys.ualberta.ca>
21064A/275 Cabriolet    272     Linus Torvalds <torvalds@_cc.helsinki.fi>
21064A/275              272     Stephen Gaudet <sjg@_tiac.net>
21064A/275 Cabriolet    272.63  Jay Estabrook <jestabro@_amt.tay1.dec.com>
21064A/275 Cabriolet    273.37  David Mosberger-Tang <davidm@_cs.arizona.edu>
21064A/275              274.11  Kevin Jacobs <jacobs@_eek.cwru.edu>
21064A/300 Cabriolet    298     Jay Estabrook <jestabro@_amt.tay1.dec.com>
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21064A/300              298     Stephen Gaudet <sjg@_tiac.net>

21066/166 Noname        162.52  Paavo Hartikain <pahartik@_sci.fi>
21066/166               162.53  Phil Bostley <pbostley@_qualcomm.com>
21066/166               163.05  Matthew Jacob <mjacob@_feral.com>
21066/166               163.05  Jon Spreha <jxs557@_psu.edu>
21066/166               164.59  David Mosberger-Tang <davidm@_cs.arizona.edu>
21066/166 Multia        164.63  Rudolf Gabler <rug@_usm.uni-muenchen.de>
21066/166               165     Gareth Bult <gareth@_ftech.net>
21066/166               165.04  Craig Ruff <cruff@_ncar.ucar.edu>
21066/200               196.9   Danny ter Haar <danny@_cistron.nl>
21066/200 UDB overcl    198     Kari Davidsson <d154402@_cs.tut.fi>

21066A/233 UDB          229.63  Toon van der Pas <toon@_vdpas.hobby.nl>
21066A/233 AS400        230.16  Ophir Ronen <ophir@_connectsoft.com>
21066A/233 AS200 Avanti 230.16  B. James Phillippe <bryan@_terran.org>
21066A/233 NoName       230.67  T. Bogendoerfer <tsbogend@_bigbug.franken.de>
21066A/233 UDB          230.68  Ted Schipper <ted@_tedux.hobby.nl>
21066A/233 NoName       230.76  Mikael Nykvist <viper@_ludd.luth.se>
21066A/233 UDB          231.21  Eric Smith <eric@_goonsquad.spies.com>
21066A/233 NoName       231.21  Jay Estabrook <jestabro@_amt.tay1.dec.com>
21066A/266 NoName ov.cl 261.62  Andreas Johansson <ajo@_ludd.luth.se>
21066A/266 UDB overcl   261.62  Michael Brennen <mbrennen@_fni.net>
21066A/266 NoName ov.cl 262.14  Wim van Dorst <baron@_clifton.hobby.nl>
21066A/266 Multia       264     Joshua Grubman <joshg@_dn.net>
21066A/284 NoName ov.cl 281.0   <imakino@_gloria.cord.edu>
21066A/297 NoName ov.cl 293.6   <imakino@_gloria.cord.edu>
21066A/300 UDB ov.cl    294.65  Topi Kanerva <tkanerva@_nks.oulu.fi>

21164/266 EB164         265.29  Jay Estabrook <jestabro@_amt.tay1.dec.com>
21164/300 EB164         297.79  Hilarius <maurice@_math.ualberta.ca>
21164/300 XLT Alcor     297.79  Dave Wreski <dave@_nic.com>
21164/300 AS1000        297.79  Salvador Pinto Abreu <spa@_sc.uevora.pt>
21164/333 Alcor         331.35  Linus Torvalds <torvalds@_cs.helsinki.fi>
21164/333 Alcor         331.35  David Mosberger-Tang <davidm@_azstarnet.com>
21164/366 XLT Alcor     362.80  Paul Slootman <paul@_wurtel.demon.nl>
21164/366 PC164 Durango 363.85  Geerten Kuiper <geerten@_bart.nl>
21164/400 Noritake      397.41  Alan Fay <alanfay@_webcode.co.uk>
21164/433 PC164         429.89  Paul D. Robertson <proberts@_clark.net>
21164/433 PC164         429.91  Bernd Meyer <bmeyer@_cs.monash.edu.au>
21164/433 Maita         429.91  Bill Broadley <bill@_math.ucdavis.edu>
21164/433 PC164         430.96  <rainer.landes@_physik.uni-karlsruhe.de>
21164/433 EB164         430.96  <metod.kozelj@_rzs-hm.si>
21164/433 PC164         430.96  H. Sumargo <habibie@_robotic.eng.fiu.edu>
21164/433 PC164         431.94  Timm Gleason <timm@_bess.com>
21164/466 PC164         464.51  Daryll Strauss <daryll@_d2.com>
21164/500               497     Alex Butcher <alex@_asimov.annex.co.uk>
21164/500 PC164         497.02  C.J. Grayce <cgrayce@_wasatch.ps.uci.edu>
21164/500               497.05  Heiner Kruener <hk@_martian.ping.de>
21164/250 Sable         497.02  Tom Greene <cowgod@_idt.net>
21164/500               497.02  James D. Freels <freelsjd@_ornl.gov>
21164/500 AS500         497.03  Jim Nance <jlnance@_avanticorp.com>
21164/500 P7            497.03  Jan guldentops <jacko@_ba.be>
21164/500 EB164 Durango 497.43  Kevin Jacobs <jacobs@_eek.cwru.edu>

21164A/500  PWS         494.88  Kenny Gryp <gryp@_dakin.be>
21164A/500  PWS         497.02  Robert Harley <robert.harley@_inria.fr>
21164A/500  PC164       497.02  Stephen Oberski <sfo@_deterministic.com>
21164A/533  PC164LX     528.12  McWilliam <hamishpmcwilliam@_netscape.net>
21164A/533  PC164LX     529.53  Dumb Kid <dumbkid@_hotmail.com>
21164A/533  PC164LX     529.53  Harvey J. Stein <hjstein@_bfr.co.il>
21164PC/533 PC164SX     529.53  Danny ter Haar <dth@_cistron.nl>
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   21164PC/533 PC164SX     529.53  Shane Sturrock <sss@_holyrood.ed.ac.uk>
   21164PC/533 PC164SX     529.53  Wim van Dorst <baron@_clifton.hobby.nl>
   21164A/533  Ruffian     530.57  Andreas Czerniak <cognac@_toppoint.de>
   21164A/533  PC164LX     530.57  Ronny Ranerup <ronny@_axis.com>
   21164A/533  PC164LX     530.57  Bill Broadley <bill@_math.ucdavis.edu>
   21164A/533  PC164LX     530.58  Stef. Boresch <stefan@_loop.mdy.univie.ac.at>
   21164A/600  PC164LX     595.59  L.F. Donaldson <donaldlf@_cs.rose-hulman.edu>
   21164A/600  PC164LX     595.59  <stepan@_wesley.informatik.uni-freiburg.de>
   21164A/600  PC164       597.60  Fabrizio Santini <sanfff@_tin.it>
   21164A/666  PC164LX     662.70  <stepan@_wesley.informatik.uni-freiburg.de>
   21164A/666  PC164LX     662.70  Stephen S <smart73@_earthlink.net>
*  21164A/433  Miata       858.04  Jukka <nn@_inet.fi>

   21264/400 Pass-1        794.82  Jay Estabrook <jay.estabrook@_digital.com>
   21264/466 DS10          920.64  Paul Novarese <novarese@_alf.dec.com>
   21264/466 DS10          921.84  ST Wong <st-wong@_alumni.cuhk.net>
   21264/500 XP1000        996.00  Wes Bauske <wsb@_paralleldata.com>
   21264/500               996.00  Karl <hawk@_juno.com>
   21264/500               996.14  Lionel Tricon <lionel.tricon@_digital.com>
   21264/500 DS20          996.14  Paul Novarese <novarese@_alf.dec.com>
   21264/500 DS20          996.15  Wayne Hall <wayne@_uga.edu>
   21264/500 XP1000        996.40  P. Caulfield <patrick@_balti.london.sco.com>
   21264/600              1203.76  Darrick Wong <djwong@_thibs.menloschool.org>
   21264/667 XP1000       1329.59  Lionel Tricon <lionel.tricon@_compaq.com>
   21264DP/666 Tsunami    1329.59  Jens Hoefkens <hoefkens@_msu.edu>
   21264/730 Wildfire     1488.97  Lionel Tricon <lionel.tricon@_compaq.com>
   21264DP/833 Tsunami    1661.52  Andy Schofield <ajs@_th.ph.bham.ac.uk>
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4.11. Motorola systems

```
   System                BogoMips  Reporter
   68030/14.7 LCII nofpu     3.69  Ruda Moura <ruda@_conectiva.com.br>
   68030/16 Atari Falcon     3.90  Jay T. Millar <jmillar@_eaglequest.com>
   68030/15 Mac SE30         3.80  Alex Teclo <alexteclo@_gmail.com>
   68030/16 Atari Falcon     3.90  Bruno Aubin <baubin@_lemel.fr>
   68030/16 Atari Falcon     3.95  J.L. Brothers <brothers@_halcyon.com>
   68030/16 Atari Falcon     3.98  <Roman.Hodek@_informatik.uni-erlangen.de>
   68EC030/20 Cisco 2500     4.33  <koen.devleeschauwer@_lid.kviv.be>
   68030/20 MacII Si         4.88  Bill Maloy <maloy@_goldinc.com>
   68030/20 0c               4.92  Chris Nadigh <chrnadig@_iiic.ethz.ch>
   68030    Amiga 3000       6.08  Andy Wick <awick@_vt.edu>
   68030/30 Amiga 4000       6.09  Karsten Merker <km@_golf.dinet.com>
   68030/25 Amiga 3000       6.12  Glen Hewlett <hewlett@_planeteer.com>
   68030/25 Amiga 3000       6.21  Hamish Macdonald <hamish@_bnr.ca>
   68030/25 Amiga 3000       6.21  J.L. Brothers <brothers@_halcyon.com>
   68030/32 Atari Falcon     7.91  Franz Korntner <fkorntne@_bazis.nl>
   68030    Atari TT         7.96  <schwab@_issan.informatik.uni-dortmund.de>
   68030/32 Atari MegaST     7.98  E.J. van den Bussche <busscheh@_ksepl.nl>
   68030/33 Atari TT         7.98  <Roman.Hodek@_informatik.uni-erlangen.de>
   68030    Atari TT         7.98  Wayne Booth <trek@_ihgp114r.ih.att.com>
   68030/60                  8.06  Korey Budgen <kbudgen@_st.nepean.uws.edu.au>
   68030/33 Amiga 2000       8.14  W. Haidinger <e9225662@_stud1.tuwien.ac.at>
   68EC030/40 Cisco 4000     8.75  <koen.devleeschauwer@_lid.kviv.be>
   68030/40 MacIIfx          9.90  Ray Knight <audilvr@_speakeasy.org>
   68030/48 32c             11.89  Martin Rogge <Martin_Rogge@_ki.maus.de>
   68030/50 Atari           12     <Roman.Hodek@_informatik.uni-erlangen.de>
   68030/50 Amiga 1200      12.36  Chris Sumner <chris@_ganymede.sonnet.co.uk>
   68030/50 Amiga 1200      12.4   Richard Jerome <etlrdje@_tigger.ericsson.se>
   68030/50 32c             12.42  Michael Plonus <michi@_pluto.ping.de>
   68030/50 Amiga 1200      12.33  Detrix <detrix@_popd.ix.netcom.com>
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68030/50 Amiga 1200      12.36  E.J.M. Brocklesby <ejb@_klamath.demon.co.uk>

68040 Mac Centris        13.21  <pgrb-usenet@_ygdrasil.demon.co.uk>
68040/24 Mac LC475       16.38  Ray Knight <audilvr@_speakeasy.org>
68040/24 Amiga 4000      16.59  Bjarne Wichmann Petersen <mekanix@_nospam.dk>
68040/24 Amiga 4000-40   16.6   Hamish Macdonald <hamish@_bnr.ca>
68040/24 Amiga 4000-20   16.60  J.L. Brothers <brothers@_halcyon.com>
68040/25 Amiga 4000-040  16.61  <Geert.Uytterhoeven@_cs.ku-leuven.ac.be>
68040/25 Amiga 4000      16.61  Lawrence <lawrenc@_nextwork.rose-hulmand.edu>
68040/60 Amiga 4000-40   18.99  Darren Enns <dmenns@_surf.pangea.ca>
68040/28 Mac Quadra650   18.99  Warren James <wjames1@_my-deja.com>
68040/32 Medusa T40      21.25  <Hartmut.Koptein@_et-inf.fho-emden.de>
68040    Amiga 2000      21.86  Ron Flory <rjflory@_feist.com>
68040    Mac Quadra650   22     Henry Garcia <compdata@_nb.net>
68040/33 Mac Quadra950   22.11  Ray Knight <audilvr@_speakeasy.org>
68040/33 Mac Quadra650   22.11  Schmitz <schmitz@_biophys.uni-duesseldorf.de>
68040    Mac Quadra650   22.17  Ingvar Hagelund <ingvar@_unik.no>
68040/40 Amiga 1200      26.52  Gavin Kinsey <gavin@_kinsey.u-net.com>

68060/50 Amiga 2000      98.68  Frank Mainz <cybermainzel@_gmx.de>
68060/50 Amiga 1200      99.53  baba <baba@_pa.yokogawa.jp>
68060/50 Amiga 4000      99.74  Stefan Tauche <otauche@_uni-paderborn.de>
68060/50 Amiga 4000     100.16  Jan Johansson <jj@_mordor.it.kth.se>
68060/66 Amiga CS MkII  132.71  Paul Hill <paul@_lagernet.clara.co.uk>

C8241/266               173.26  Bill Rhodes <wrhodes@_27.org>
C8260/132               287.85  Wil Moloughney <wil_moloughney@_hotmail.com>
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4.12. Sparc systems

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System                BogoMips  Reporter
Sparc sun4c              17.94  J.L. Brothers <brothers@_halcyon.com>
Sparc SLC/20 S1          19.86  Simon Karpen <slk@_linux-shell.net>
Sparc sun4c/25           24.88  Paolo <paolo0@_yahoo.com>
Sparc SS10 sun4m         35.94  Michael Junek <mickey@_webfocus.net.au>
Sparc IPX 4c             39.83  Paul D. Robertson <proberts@_clark.net>
Sparc SS10 super50 4m    39.93  Juan Cespedes <cespedes@_etsit.upm.es>
Sparc microS/50 SS-LX    49.76  Will Shaw <romulan@_netwatch.clemson.edu>
Sparc SS20/50            49.86  Gary A. Donahue <lordgad@_webspan.net>
Sparc hyperS Classic 4m  49.86  Juan Cespedes <cespedes@_etsit.upm.es>
Sparc Voyager portable   59.80  Edward Austin <eastin@_shl.com>
Sparc SS5 Netra          68     Craig Falconer <cf@_papanui.school.nz>
Sparc SS5                69.84  Richard D. Davis <rddavis1@_lucent.com>
Sparc SS50               74.95  Kaz <kaz@_latte.cafe.net>
Sparc SS5/85 sun4m       84.78  Kenny Gryp <gryp@_dakin.be>
Sparc SS10 hyperS        99.73  Thomas B. Fox <tfox@_oliverdesign.com>
Sparc SS5/66            109.77  Lance S. Nehring <lnehrin@_uswest.com>
Sparc SS4/110           109.77  Chris Sylvain <csylvain@_umms-itg.ab.umd.edu>
Sparc hSparc sum4m      124.92  Georg Schwarz <schwarz@_physik.tu-berlin.de>
Sparc hSparc/150 Sun4m  150.32  Tethys <tethys@_ml.com>

Sparc Ultra I/143       278.00  Helmut <helmut@_cancon.com>
Sparc Ultra I sun4u     284.05  Iban Cardona <icc@_seric.es>
Sparc Ultra I/143       285.08  Jason Hong <hong@_csulb.edu>
Sparc Ultra I sun4u     333.41  Roberto Giungato <roberto@_giungato.it>

Sparc Ultra II/270      539.03  Pieter Krul <pieter@_dare.demon.nl>
Sparc Ultra II/300      598.01  Silvo Bozovicar <silvo.bozovicar@_aster.si>
Sparc Ultra II/360      719.25  Cap'n Hector <me@_caphector.com>
Sparc Ultra IIi/360     719.25  Jean Escoto <jean_escoto@_yahoo.com>
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Sparc Ultra II/360      719.26  Bjorn Augustsson <d3august@_dtek.chalmers.se>
Sparc Ultra IIi         878.18  Mark Cooper <mark@_mcooper.demon.co.uk>
Sparc Ultra II/450      897.84  Darrick Wong <djwong@_thibs.menloschool.org>
Sparc Ultra IIe        1002.70  Elie De Brauwer <elie@_de-brauwer.be>
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4.13. PowerPC systems

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System                BogoMips  Reporter
PowerPC 601    Mac        33.28  David Wetzel <dave@_turbocat.de>
PowerPC 601/60 Mac6100    45.24  J.L. Brothers <brothers@_halcyon.com>
PowerPC 601/66 Mac        51.62  Fred Klein <klein@_des3.u-strasbg.fr>
PowerPC 601/60 Mac6100    59.38  Kent Radek <goo@_itd.sterling.com>
PowerPC 601/66 Mac7100    65.74  Kenny Gryp <gryp@_dakin.be>
PowerPC 601/75 Mac7200    73.93  Dimitris Tsifakis <jimmy@_typhoeus.dg.uoa.gr>
PowerPC 601/90 Mac7200    89.00  Heinrich H. Beck <thebigduck@_earthlink.net>
PowerPC 601/90 Mac7200    89.50  Ian <ian@_neath.org>
PowerPC 601/100 Mac7500   98.91  Russ Hoffman <reh@_fore.com>
PowerPC 601/110 Mac8100 108      Charles Eicher <ceicher@_inav.net>
PowerPC 601/120 Mac8200 119.19   Roberto Waha <roberto.waha@_rcm.dsi.unimi.it>

PowerPC 603/200           11.39  Jan Toonen <jtoonen@_xs4all.nl>
PowerPC 603/300 SM5000    57.00  Brian J. Landsberger <brian@_landsberger.com>
PowerPC 603/100           66.56  A. Costa <c_chaos@_chaosnet.wahnapitae.on.ca>
PowerPC 603/200 PSII     133.12  Richard Heurtley <richard@_heurtley.com>
PowerPC 603ev/250        166.29  Stig Sørensen <stig@_aub.dk>

PowerPC 604/100 PPS6050   99.74  Evaldas Darcianovas <evaldas@_isi.kvm.lt>
PowerPC 604/100          199      Hamish Marson <hamish@_aixrules.nz.ibm.com>
PowerPC 604/100 PPS7248 199.48   Evaldas Darcianovas <evaldas@_isi.kvm.lt>
PowerPC 604/120 Mac8500 239.20   Jason Colflesh <jason.colflesh@_sap.com>
PowerPC 604/120 Mac8500 239.20   James <e5z8652@_mail.com>
PowerPC 604     Mac8500 239.21   Steve <sjs132@_psu.edu>
PowerPC 604/120 Mac8500 239.21   Jason Colflesh <jason.colflesh@_sap.com>
PowerPC 604/132 Mac9500 263.78   Matt Templeton <cybear@_pacbell.net>
PowerPC 604/132 Mac7500 263.78   Patrick Murmann <murmann@_mi.uni-erlangen.de>
PowerPC 604/133 MOT PS  266.24   Christoper Harrel <cnh@_eng.mindspring.net>
PowerPC 604/150 Mac9500 297.73   Jean-Philippe Lord <jpl@_binex.com>
PowerPC 604e/300         299     Guido Lehwalder <guido@_lehwalder.de>
PowerPC 604e/195         359.63  Mike Potts <pottsjam@_flyernet.udayton.edu>
PowerPC 604e/195         399.76  Griff Miller <griff.miller@_positron.com>
PowerPC 604/200 Mac8600 320      Julien Sebot <sebot@_lri.fr>
PowerPC 604e/170 PM7300 335.55   Marco van de Voort <marcov@_toad.stack.nl>
PowerPC 604/180 SM900    367.82  J.E. Cook <jcojones@_mail.athen1.ga.home.com>
PowerPC 604e/375 RS6000 373.56   Darrick Wong <djwong@_thibs.menloschool.org>
PowerPC 604e/199         398.13  Greg <gkv@_interflight.com>
PowerPC 604e/200 SM4000 399.12   Roland Kuhn <kuhn@_physik.uni-kassel.de>
PowerPC 604e/200         399.76  Alan Galloway <alan@_alangalloway.com>

PowerPC 750/166          398.13  Greg <gkv@_interflight.com>
PowerPC 750              465.30  Scot Richardson <scotrich99@_hotmail.com>
PowerPC 750              465.31  Neal P Murphy <neal.p.murphy@_alum.wpi.edu>
PowerPC 750/266 Mac      532.48  Fritz Anderson <fritza@_tezcat.com>
PowerPC 750/267 Mac G3   534.61  Hans-Willem Geitz <hw.geitz@_xs4all.nl>
PowerPC 750/195 Mac G3   583.27  <gustilo@_mail.med.upenn.edu>
PowerPC 750/292 Mac      586.38  John McAulay <johnmcaulay@_ndirect.co.uk>
PowerPC 750/300 iBook    589     M. van Steensel <mvanstee@_baserv.uci.kun.nl>
PowerPC 750/333 iMac     665.19  Koyot <koyot@_alpha.pl>
PowerPC G4 350 Mac 400   697.96  Guillame Blain <blaingu@_iro.umontreal.ca>
PowerPC G3/350           697.96  Juergen Fricke <jofry@_web.de>
PowerPC 750/366 G3       732.36  Mike Hopkins <mhopkins@_netmatters.co.uk>
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PowerPC G4 Mac8500      796.26  Alain Birtz <abz@_videotron.ca>
PowerPC 750/400 Mac     796.26  William F. Adams <willadams@_aol.com>
PowerPC 750/400 iMac DV 797.90  Daniel Koerner <wum42@_netscape.net>
PowerPC G4              797.90  P. Radermecker <pradermecker@_iquibec.com>
PowerPC 750/400 G3      801.18  Richard Petty <repetty@_austin.rr.com>
PowerPC 750/400 G3      801.18  Brian Kendig <brian@_enchanter.net>
PowerPC 750/400 G3      801.67  Schmitz <schmitz@_biophys.uni-duesseldorf.de>
PowerPC G4/500          992.87  K. Gustilo <gustilo@_mail.med.upenn.edu>
PowerPC G4/500          996.64  Heinz Nabielek <h.nabielek@_fz-juelich.de>
PowerPC G4/500          999.42  Stephen D. Scotti <sdscotti@_earthlink.net>
PowerPC G3/600         1170.31  McWilliam <hamishpmcwilliam@_netscape.net>
PowerPC 750cx/600 iMac 1198.00  Jan-Jaap Boor <jjboor@_mac.com>
PowerPC 750fx/700 G3   1389.36  Gurkan Sengun <gurkan@_linuks.mine.nu>
PowerPC 750fx/700 G3   1389.36  Keller <kkeller@_wombat.san-francisco.ca.us>
PowerPC 750fx/900      1785.85  Pascal Bourguignon <spam@_thalassa.informatimage.com>
PowerPC G4/999         1992.29  Paula <canthavespam@_yahoo.com>
```

4.14. Other CPU systems: Mips, Intel 8088/286 ELKS, IBM, Transmeta Crusoe, PA−RISC, Hitachi SH, Arm and StrongArm, iDragon, Vax, CRIS Etrax, XScale, Rise

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System                BogoMips  Reporter
Mips R3000A/20           19.79  Kagstrom <simon.kagstrom.864@_student.lu.se>
Mips R3000/33 Dec        32.82  Martin Michlmayr <tbm@_cyrius.com>
Mips R4000/100           48.30  J.L. Brothers <brothers@_halcyon.com>
Mips R4000SC/100 Indy    49.86  Martin Michlmayr <tbm@_cyrius.com>
Mips R4000/100 Magnum    50.03  Andreas Busse <andy@_soft-n-hard.de>
Mips R4400/134 Acer Pica 67.10  Andreas Busse <andy@_soft-n-hard.de>
Mips R4400/134 Acer Pica 67.10  Ralf Baechle <ralf@_waldorf-gmbh.de>
Mips R4400SC/250 I2     124.92  Martin Michlmayr <tbm@_cyrius.com>
Mips R4600/133 Tyne     133.12  Ralf Baechle <ralf@_waldorf-gmbh.de>
Mips R4600/133 RM200    133.08  Ralf Baechle <ralf@_julia.de>
Mips R5000/150 Indy     154.83  Ralf Baechle <ralf@_julia.de>
Mips R5000/180 Indy     179.81  Bradley Bell <btb@_debian.org>
Mips R5000/250 RAQ2     249.85  Martin Michlmayr <tbm@_cyrius.com>
Mips R5900 PS2          392.39  Otto Slooten <otto.slooten@_planet.nl>
Mips R5900 PS2          392.40  Anders Hustvedt <corsec@_gamebox.net>

ELKS Intel 8088/4.77      0.02  Tim Van der Linden <timvdl@_innet.be>
ELKS Intel 8088/10        0.05  Tim Van der Linden <timvdl@_innet.be>
ELKS Intel 8086           0.5   Kin Lau <gabe@_zot.io.org>
ELKS NEC V20/8            0.69  McWilliam <hamishpmcwilliam@_netscape.net>
ELKS Intel 286 Tandy      0.75  Joey Hess <joey@_kite.ml.org>
ELKS Intel 8086 NecV20/16 0.88  Vasilis Ventirozos <cyberpunk@_freemail.gr>
ELKS Intel 286            0.99  Anders Stenback <anders.stenback@_gmail.com>
ELKS Intel 286/8 VAXMate  1.03  Andrew Costa <c_chaos@_wahnapitae.on.ca>
ELKS Intel 286/10 Comm.   1.30  Hans-Joachim Baader <hans@_grumber.inka.de>
ELKS Intel 286 PS2        2.32  Morillas C.H. Antonio <morilla@_fie.us.es>
ELKS Intel 286 PS2        2.34  Joey Hess <joey@_kite.ml.org>

IBM S390 Gen4            75.16  J Scott <mrbinary@_yahoo.com>
IBM S390 R46/500        412.05  Odilon Cirillo <odilon.cirillo@_eds.com>

Crusoe/400              725.81  Bill Rhodes <wrhodes@_27.org>
Crusoe                 1182.92  Michael Heiming <mh@_vbag.de>
Crusoe TM5600/660      1317.27  Mark Cooper <mark@_mcooper.demon.co.uk>
Crusoe TM5800/1000     1985.74  Mathieu Bois <mathieu.bois@_laposte.net>
```

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StrongARM-1110/206      137.21  Jon Ward <aardvark@_fnord.org.uk>
StrongARM-1110/206      137.21  Sander Fransen <sander@_fransen.com>
StrongARM-1110/206      137.21  Jan walter <jan@_millfilm.co.uk>
StrongARM-1110/206      137.21  W Stallwood <wayne@_crimsontechnology.com>

PA-Risc Gecko/60         59.80  Arthur Aldridge <aj@_yasashi.net>
PA-Risc 7100LC/100       99.73  Stuart Brady <sdbrady@_ntlworld.com>
PA-Risc 9000/160        319.48  Frank Ickstadt <frank.ickstadt@_btignite.de>
PA-Risc 7300LC/160      106.49  Peter Whysall <peter.whysall@_ntlworld.com>
PA-Risc 8200/200        396.28  Jeroen van Ingen <jeroen@_zijndomein.nl>
PA-Risc 8500/400        796.67  Stuart Brady <sdbrady@_ntlworld.com>
PA-Risc 8500/440        880.00  David Atkins <dave@_cypress-tech.com>

TI ARM/144 Treo600        4.50  Wim van Dorst <wvd@_clifton.nl>
Vax 3100-m38              5.41  Blaz Antonic <yint@_email.si>
Atmel ARM                13.00  Stanley <jstedile@_hotmail.com>
CL7110/18 ARM710         17.05  McWilliam <hamishpmcwilliam@_netscape.net>
NEC ARM MC218/37         18.32  Mikko Ristila <mristila@_gmail.com>
CRIS Etrax Webcam        99.73  Pat Niemeyer <pat@_pat.net>
Hitachi SH-4/200        199.47  Da Wrecka <da_wrecka@_blueyonder.co.uk>
Intel XScale Sharp      397.31  John Davies <john.davies@_c24.biz>
iDragon/200             399.76  Princo <hoge@_hogehoge.cc>
Rise mp6/200            399.76  Christian Lederer <mail@_cpu-museum.de>
Intel ARM XScale/416    408.00  Ishikawa Sachihiro <sachihiro@_gmail.com>
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4.15. Dual−CPU systems (SMP2, hyperthreading, Dual core)

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System                BogoMips  Reporter
Dual Pentium/75          59.50  Michael Engel <engel@_unix-ag.uni-siegen.de>
Dual Pentium/90          71.68  Edwin Whitelaw <elw@_ivc.com>
Dual Pentium/90          71.98  Daniel Luhde-Thompson <dl10010@_cam.ac.uk>
Dual Pentium/90          72.08  Alan Cox <alan@_cymru.net>
Dual Pentium/100         79.46  Lam Dang <dangit@_ix.netcom.com>
Dual Sparc 630MP         79.66  Daniel Aubry <daniel.aubry@_unibas.ch>
Dual Pentium/100         80.08  Christian Tan <pigeon@_xs4all.nl>
Dual Pentium/100         80.08  McNalley <jmcnalle@_attila.stevens-tech.edu>
Dual Pentium/120         95.85  Maurice de Bijl <maurice.d.bijl@_topic.nl>
Dual Sparc SS/50-40      90.11  Benjamin Appee <benjamin@_appee.de>
Dual Sparc SS/50         99.84  Dimitris Tsifakis <sv1det@_freemail.gr>
Dual Pentium/133        106.09  Maurice de Bijl <maurice.d.bijl@_topic.nl>
Dual Pentium/166        133.53  <Reinhard.Simkovics@_jk.uni-linz.ac.at>
Dual Sparc SM71/75      149.70  C Redmon <credmon@_utk.edu>
Dual Pentium/200        158.72  Ed Hoppitt <edward@_dcs.rhbnc.ac.uk>
Dual Pentium/200        158.92  Zeus <heyzeus@@_verios.net>
Dual Sparc RossHS/150   209.71  Nico Will <nicolas.will@_sbcglobal.net>
Dual Pentium Pro/150    299.00  Steven Gallo <smgallo@_numenor.csgeeks.org>
Dual Pentium Pro/150    299.01  Eric van Dijken <E.vanDijken@_PTT-Telecom.nl>
Dual Pentium Pro/166    331.78  Eric van Dijken <E.vanDijken@_PTT-Telecom.nl>
Dual Pentium Pro/180    358.81  Eric van Dijken <E.vanDijken@_PTT-Telecom.nl>
Dual Pentium Pro/180    358.81  Frankie East <fae2401@_rit.edu>
Dual Pentium Pro/180    358.81  James K. Wiggs <wiggs@_wolfenet.com>
Dual Pentium Pro/200    396.25  Will Shaw <shaww@_dialup.dstm.com>
Dual Pentium Pro/200    397.32  Abhijit Menon-Sen <ams@_wiw.org>
Dual Pentium Pro/200    398.13  David Konerding <dek@_cgl.ucsf.edu>
Dual Pentium Pro/200    398.13  B Heinen <benedikt.heinen@_infrasys.ascom.ch>
Dual Pentium Pro/200    398.13  Ramon Huerta <huerta@_minerva.ii.uam.es>
Dual Pentium Pro/200    398.14  C.-A. Possamai <camille@_sugiton.cnrs-mrs.fr>
Dual Pentium Pro/200    398.14  Leland <llucius@_millcom.com>
Dual Pentium Pro/200    398.14  John Lellis <lellis@_dmccorp.com>
Dual Pentium Pro/200    398.14  Jim Gifford <jim@_mail.rath.peachnet.edu>
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   Dual Pentium Pro/200    398.14  Manuel Galan <root@_ulpgc.es>
   Dual Pentium Pro/200    398.6   Bill Davidsen <davidsen@_tmr.com>
   Dual Pentium Pro/200    398.95  Fons Rademakers <f.rademakers@_cern.ch>
   Dual Pentium Pro/200    398.98  Greg Fausak <glfausak@_august.com>
   Dual Pentium Pro/200    400.18  Attila Karpati <karpati@_cs.elte.hu>
   Dual Pentium Pro/233    464.49  F. Baitinger <baiti@_zenon.toplink.net>
   Dual Pentium II/233     466.94  Eli Kane <eli@_crl.nmsu.edu>
   Dual Pentium II/266     530.84  Shon Martin <cshoon@_oberlin.edu>
   Dual Pentium II/266     534.12  n.n. <service@_cprompt.sk.ca>
   Dual Pentium II/266     534.12  Emmanuel Tychon <manu@_acm.org>
   Dual Pentium II/266     531.66  Stefaan A. Eeckels <stefaan.eeckels@_ecc.lu>
   Dual Pentium II/274     546.41  Richard Jellinek <rj@_suse.de>
   Dual 21064A/275 AS2000  556.53  Jochen Gatternig <jochen@_gatternig.com>
   Dual Pentium II/300     597.20  Paul Sheer <psheer@_obsidian.co.za>
   Dual Pentium II/300     598.02  Hans Ameel <hans@_pla.to>
   Dual Pentium II/300     599.66  Abhijit Menon-Sen <ams@_wiw.org>
   Dual Pentium II/300     599.76  S. Curtarolo <auro@_spiro.fisica.unipd.it>
   Dual Pentium II/333 ov  665.73  S. Curtarolo <auro@_spiro.fisica.unipd.it>
   Dual Pentium II/333     665.20  D.A. Sergatskov <dima@_cholla.phys.unm.edu>
   Dual Pentium II/350     697.14  Riley <rhw@_bigfoot.com>
   Dual Pentium II/350     700.42  David Overeem <overeem.1@_osu.edu>
   Dual Pentium II/350     700.42  Mathijs <matthijs@_helena.tux.nu>
   Dual Pentium II/350     700.42  Joe Gray <jgray_111@_yahoo.com>
*  Dual Pentium Pro/200    792.48  Eric P. McCoy <emccoy@_hamilton.edu>
*  Dual Pentium Pro/200    792.98  David Ewan Kahana <dek@_bnl.gov>
*  Dual Pentium Pro/200    793.80  Eric P. McCoy <ctr2sprt@_yahoo.com>
*  Dual Pentium Pro/200    794.42  Dondo <yan@_seiner.com>
   Dual Pentium MMX/200    794.62  Kristian Koehntopp <kris@_koehntopp.de>
   Dual Pentium MMX/200    796.26  Eric Clark <eclark@_opencominc.com>
   Dual Pentium II/400     796.26  Michael Necaise <necaise@_jlab.org>
   Dual Celeron/400        796.26  Stuart Hall <stuarthall@_mailandnews.com>
   Dual Celeron/400        798.21  Stefan Onderka <nop@_gameart.com>
   Dual Pentium II/400     797.08  Mogens Kjaer <mk@_crc.dk>
   Dual PowerPW 604e/200   797.90  Tom <invalid@_charter.net>
   Dual Pentium II/400     800.20  Simon van Sleuwen <sleuwen@_hotmail.com>
   Dual Pentium II/400     800.36  <joachim.j.gloger@_daimlerchrysler.com>
   Dual Pentium II/400     800.36  Marcel Lanz <marcel.lanz@_ds9.ch>
   Dual Pentium II/400     800.36  Frank <frank@_sazza.ping.de>
   Dual Pentium II/400     800.47  Jung Pyo Hong <hongjungpyo@_my-deja.com>
   Dual Pentium II/448 ov  894.57  Rob Leach <dslfreak@_pacbell.net>
   Dual Celeron/450        894.57  Stephan Eisler <stephan@_lingo.gun.sub.org>
   Dual Pentium III/450    899.48  Ramses Smeyers <fatman@_khk.org>
   Dual Pentium III/450    899.48  Roland Exler <r.exler@_jk.uni-linz.ac.at>
   Dual Pentium II/450     901.12  Abhijit Menon-Sen <ams@_wiw.org>
   Dual Pentium II/466     925.70  A. Giachino <a.giachino@_ekkinc.com>
   Dual Pentium MMX/233    927.33  Jeff White <jwhite@_ghq.com>
   Dual Pentium III/500    996.14  Ola Samuelson <ola@_datalink.se>
   Dual Pentium III/500    996.15  Rob Green <mooncrow@_lava.net>
   Dual Celeron/500        999.42  Ingimar Rovertsson <iar@_skyrr.is>
   Dual Celeron/500        999.42  Rob Farrell <rpf@_speakeasy.net>
   Dual Pentium III/500    999.42  Douglas Osborn <daozb@_earthlink.net>
   Dual Pentium III/500    999.42  Greg M. Hebel <gregh@_twcny.rr.com>
   Dual Celeron/515 overc 1028.92  Ryan Werber <rwerber@_ctel.net>
*  Dual Pentium II/266    1066.59  Jacques Rodary <jrodary@_free.fr>
   Dual Celeron/550 overc 1101.00  Olof Zachrisson <eraolza@_ks.ericsson.se>
   Dual Celeron/550 overc 1101.00  John Katagawa <dhc@_50k.com>
   Dual Celeron/550 overc 1101.00  Mattias Moberg <mattias.moberg@_home.se>
   Dual Celeron/550 overc 1101.00  Kieffer <Jerome.KIEFFER@_crans.ens-cachan.fr>
   Dual Celeron/550 overc 1101.00  C. Shenefiel <chris.shenefiel@_bigfoot.com>
   Dual Pentium III/550   1101.00  Jean-David Beyer <jdbeyer@_exit109.com>
   Dual Pentium III/560   1117.39  Nathan Laredo <laredo@_gnu.org>
   Dual Celeron/563 overc 1120.00  Cecchinel Stephan <inter.zone@_free.fr>
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   Dual Sparc USII/296    1182.92  Bill Maloy <maloy@_goldinc.com>
   Dual Celeron/606 overc 1207.50  Mattias Moberg <mattias.moberg@_home.se>
   Dual Pentium III/650   1300.88  Dan Kegel <dank@_alumni.caltech.edu>
*  Dual Pentium II/400    1587.60  Bill Maloy <bill.maloy@_goldinc.com>
   Dual Itanium/800       1593.82  Cipriano Groenendal <cipri@_ezlinux.nl>
*  Dual Pentium II/450    1789.13  Steve Snyder <swsnyder@_home.com>
*  Dual Pentium III/450   1789.13  J Snowdon <john@_snowdon36.freeserver.co.uk>
   Dual PowerPC 7400/450  1789.63  Jake Goulding <shepmaster@_home.com>
*  Dual Celeron/466       1857.94  Dominic.Baines <dombaines@mmbq.demon.co.uk>
*  Dual Pentium III/500   1988.60  Francisco Romo Alfaro <fcoromo@_opensys.com.mx>
*  Dual Celeron/500       1998.84  Rob Farrell <rpf@_comcast.net>
   Dual Celeron/533       2117.63  Reine Johansson <brain@_bredband.net>
   Dual Pentium III/1100  2194.23  Jean-David Beyer <jdbeyer@_exit109.com>
*  Dual Pentium III/550   2202.00  <ekk@_ekkinc.com>
*  Dual Pentium III/560   2238.05  David Yeung <dyeung@_ust.hk>
*  Dual Pentium III/600   2401.89  Shawn Hicks <shicks@_impulse.net>
*  Dual Pentium III/600   2401.89  John Wiggins <jwiggins@_csce.uark.edu>
*  Dual Pentium III/750   2992.90  George Hauser <hausergj@_pop.nwnexus.com>
*  Dual Pentium III/750   3001.55  Jesse Tie Ten Quee <tie@_mountlinux.com>
   Dual Pentium Pro/800   3181.77  NN <ulisses@_pusa.informat.uv.es>
*  Dual Pentium III/800   3188.32  Daniel Path <danielp@_r-medialine.hu>
*  Dual Pentium III/800   3188.33  Steve Bradtke <sjbradtke@_home.com>
*  Dual Pentium III/800   3201.43  Paul Skinner <pskinner@_hrsg.ca>
*  Dual Pentium III/810   3234.20  Pietro Abate <abate@_students.cs.unibo.it>
   Dual EV67/833 UP2000   3324.17  Rob Harley <robert.harley@_inria.fr>
*  Dual Pentium III/850   3407.86  Michael Cohen <me@_ohdarn.net>
*  Dual Pentium III/866   3466.85  Tommy Johansen <tommy.johansen@_idemitsu.no>
*  Dual Pentium III/933   3742.10  Justin Baugh <baughj@_cs.rpi.edu>
   Dual PowerPC G4/1400   2831.15  Bill Maloy <bill.maloy@_goldinc.com>
*  Dual Pentium III/1000  3984.58  Kenny Gryp <gryp@_dakin.be>
*  Dual Pentium III/1000  3991.14  Guy Tel-Zur <tel-zur@_computer.org>
*  Dual Pentium III/1000  4004.25  Birko Bergt <byrko.bergt@_syntegra.com>
*  Dual Pentium III/1000  4010.80  Andy Vlassov <andreyv@_ece.ubc.ca>
*  Dual Pentium III/1133  4508.86  Umaid Rajpurohit <sunadm@_rediffmail.com>
*  Dual Pentium III/1133  4508.87  S Bozovicar <silvo.bozovicar@_hermes-plus.si>
*  Dual Pentium III/1133  4521.98  Ralf Buchwald <ralf@_iehk.rwth-aachen.de>
*  Dual Pentium III/1266  5052.81  Sandy Harris <sandy@_storm.ca>
*  Dual Athlon/1400       5590.21  Dominic.Baines <dombaines@mmbq.demon.co.uk>
*  Dual Athlon/1400       5590.22  Paul Skinner <pskinner@_hrsg.ca>
*  Dual Athlon/1400       5590.22  Matthew Anderson <matt@_alameda-systems.com>
*  Dual Athlon/1400       5590.22  Pierre Vignéras <vigneras@_labri.fr>
   Dual Opteron/1600      6340.60  Thomas Whaples <tom@_eh.net>
*  Dual Athlon/1600       6442.18  Rick H. Wesson <wessorh@_ar.com>
   Dual Opteron/2000      7921.66  Tero Hiekkalinna <tero.hiekkalinna@_helsinki.fi>
   Dual Xeon/2000         7956.06  Dave Gilligan <g1ogy@_g1ogy.com>
   Dual Opteron/2200 ht   8808.02  Christian Lederer <mail@_cpu-museum.de>
   Dual Athlon 64/2200 ht 8817.46  Tim Kirk <kirk@_ysbl.york.ac.uk>
   Dual Athlon 64/2200 ht 8822.12  Vinu Moses <vinumoses@_yahoo.com>
   Dual Athlon 64/2200 ht 8850.66  Janis Danisevski <werwurm@_snafu.de>
   Dual Opteron/2400      9486.32  Francisco Romo <fcoromo@_opensys.com.mx>
   Dual Xeon/2800        11154.22  Paolo Cravero <paolo.cravero@_csi.it>
   Dual Xeon/3060        12202.80  Bill Maloy <bill.maloy@_goldinc.com>
   Dual P4/3200 ht       12730.36  James <james@_introverted.com>
   Dual P4/3200 ht       12805.83  NN <get-off-my-cloud@_usa.net>
   Dual Xeon/3400        13500.41  Robert Atwood <r.atwood@_imperial.ac.uk>
   Dual P4/3400 ht       13533.18  Jurek Bartuszek <koxta@_koxta.net>
   Dual Xeon/3600        14319.61  Hai Zaar <haizaar@_gmail.com>
   Dual Xeon/2000 ht     15925.22  Dave Gilligan <g1ogy@_g1ogy.com>
   Dual Opteron/2200 ht  17481.72  Francisco Romo <fcoromo@_opensys.com.mx>
   Dual Xeon/2400 ht     19031.64  Vasilis Ventirozos <cyberpunk@_freemail.gr>
   Dual Xeon/2660 ht     21338.52  Dave Whiteside <strangelite@gmail.com>
   Dual Xeon/2700 ht     21495.80  Francisco Romo <fcoromo@_opensys.com.mx>
```

```
   Dual Xeon/2800 ht     22282.24  John Davies <john.davies@_c24.biz>
   Dual Xeon/3000 ht     23907.52  Paul Skinner <pskinner@_hrsg.ca>
   Dual Xeon/3060 ht     24379.39  Brian Wheeler <bdwheele@_indiana.edu>
```

4.16. Multi−CPU systems (SMP4, Beowulf, others)

```
   SMP4 Sparc SM100/40     159.64  C Redmon <credmon@_utk.edu>
   SMP4 Pentium Pro/133    532.07  Erik Walthinsen <omega@_sequent.com>
   SMP4 Pentium Pro/200    794.62  Kenneth Hedlund <c415khd@_nll.se>
   SMP4 Pentium Pro/200    796.28  John Pelan <j.pelan@_am.qub.ac.uk>
*  SMP4 Pentium/133       1064.14  Arthur Aldridge <monark@_aracnet.com>
*  SMP4 Pentium/200       1598.25  Arthur Aldridge <aj@_yasashi.net>
   SMP4 Pentium III/450   1794.00  Glenn Stone <glenns@_ami.com>
   SMP4 Pentium III/550   2195.46  Yan P Yuan <yanping.yuan@_embl-Heidelberg.de>
   SMP4 Alpha EV5/300     2393.60  Daniel Aubry <daniel.aubry@_sygroup.ch>
   SMP4 Itanium/800       3189.20  Bacsi Roland <broland@_mailbox.hu>
   SMP4 Itanium/995       5955.88  Holger Staab <holger.staab@_lhsystems.com>
   SMP4 Xeon/1500        11979.96  T Hiekkalinna <tero.hiekkalinna@_helsinki.fi>
   SMP4 Opteron/2200     17498.11  Fabrizio Magni <fabrizio.magni@_rasnet.it>
   SMP4 Xeon/2400        19136.38  David Hubbard <dhubbard@_hostasaurus.com>
   SMP4 Xeon/2660        21286.09  Troll <spambait@_clouddancer.com>
   SMP4 Xeon/2800        22321.54  Paolo Cravero <paolo.cravero@_csi.it>
   SMP4 Xeon/3600        28688.38  Kristoph Kubicki <kristopher@_anandtech.com>
   SMP4 Xeon/3000 ht     47801.93  Francisco Romo <fcoromo@_opensys.com.mx>
   SMP4 Xeon/3000 ht     47919.92  James <james@_introverted.com>

   SMP8 Pentium III/500   3996.06  Richard Langis <rlangis@_primux.geekfest.net>
   SMP6 SunUltraII/336    4030.46  Daniel James <astac@_swbell.net>
   SMP14 SparcII          6927.16  Vassili Tchersky <vt@_bsdjeunz.org>
   SMP31 EV67/731 Wildf. 46170.90  Peter Rival <frival@_zk3.dec.com>
   SMP32 IBM Power5/1656 26368.00  Christian Lederer <mail@_cpu-museum.de>
   SMP8 Xeon/1600        51052.50  Michael Heiming <michael@_heiming.de>
   Myrinet144 PII/400    57684.96  <zumbusch@_iam.uni-bonn.de>
   SMP8 Xeon/3000 ht     95839.84  James <james@_introverted.com>
   Beowulf102 PIII/1000 203862.30  Dan Kirkpatrick <dkirk@_physics.syr.edu>
```

4.17. Non−Linux systems (reference only)

```
   System                     OS      BogoMips Reporter
   Casio 9850g calculator     Casio  0.000027  <littlemanthegeek@_hotmail.com>
   Commodore 64               VICE     0.0033  <bdwheele@_indiana.edu>
   Z80 TRS80 model 4          TRSDOS    0.004  <cervasio@_airmail.net>
   Z80/4.6 NC100              ZCN       0.013  <rus@_forfree.at>
   Saturn/3.9 HP48S           none      0.196  <samuel.thibault@_ens-lyon.fr>
   Saturn/7.8 HP48G           none      0.271  <samuel.thibault@_ens-lyon.fr>
   Saturn/7.8 HP49G           none      0.321  <samuel.thibault@_ens-lyon.fr>
   68000/8 Macintosh Classic  MacOS     0.53   <jimmy@_typhoeus.dg.uoa.gr>
   ARM9/75 HP49G+             none      1.335  <samuel.thibault@_ens-lyon.fr>
   68020/20 Sun 3             SUNOS      2.0   <korpela@_ssl.berkeley.edu>
   Intel 386SX/16             MSDOS      2.00  <hamishpmcwilliam@_netscape.net>
   68EZ328/20 Palm Vx         PalmOS     2.53  <dv5a@_dc.uba.ar>
   Microvax 3100-30           NetBSD     2.74  <goodman@_goodman.hu>
   ARM ARM250/12              RISCOS     2.95  <hamishpmcwilliam@_netscape.net>
   68020/16 Macintosh LC      MacOS      3.09  <jimmy@_typhoeus.dg.uoa.gr>
   68020/25 Sun 3-180         SUNOS      4.0   <korpela@_ssl.berkeley.edu>
   Sparc Sun 3-60             SUNOS      4.00  <tranter@_software.mitel.com>
   Sparc Sun 3-80             SUNOS      4.00  <tranter@_software.mitel.com>
   PalmOne Treo 600           PalmOS     4.50  <wvd@_clifton.nl>
```

```
Vaxstation 3100 M38          VAXVMS     4.66  <bdwheele@_indiana.edu>
68030/25 Macintosh IIci      NetBSD     5.62  <kirk-corey@_uiowa.edu>
AMD 386DX/40                 MSDOS      8.03  <hamishpmcwilliam@_netscape.net>
68040/25 Macintosh LC475     MacOS     12.27  <jimmy@_typhoeus.dg.uoa.gr>
68040/33 HP9000-280          HP-UX     14     <niles@_axp745.gsfc.nasa.gov>
68040/25 Apollo 5500         DomainOS  14.00  <kirk-corey@_uiowa.edu>
Sparc Sun 4-280/20           SUNOS     16.0   <korpela@_ssl.berkeley.edu>
Sparc Sun IPC/40             Solaris   16.00  <gong@_cs.msu.su>
68040/25 HP9000-425          DomainOS  16.00  <kirk-corey@_uiowa.edu>
68040 NextStep               (?)       16.26  <petergun@_coffeehaus.com>
Sparc Sun SS1                SUNOS     18.00  <tranter@_software.mitel.com>
Sparc Sun SS1                SUNOS     18.00  <jimmy@_typhoeus.dg.uoa.gr>
IBM RS6000 320               AIX       18.00  <mg@_svtpc3.fb12.tu-berlin.de>
ARM ARM710/40                RISCOS    18.43  <hamishpmcwilliam@_netscape.net>
Sparc Sun SS1+               SUNOS     19     <swmike@_uplift.df.lth.se>
Sparc Sun SS1+               SUNOS     24.00  <tranter@_software.mitel.com>
Sparc Sun IPC                SUNOS     24.00  <tranter@_software.mitel.com>
IBM RS6000 320H              AIX       24.00  <mg@_svtpc3.fb12.tu-berlin.de>
Sparc Sun Sparcstation2      SUNOS     26.00  <gong@_cs.msu.su>
SparcClassic/50              Solaris   32.00  <gong@_cs.msu.su>
Sparc Sun ELC                SUNOS     32.00  <tranter@_software.mitel.com>
HP-PA 9000-720               HP-UX     32.00  <metod.kozelj@_rzs-hm.si>
Sparc Sun SS10               SUNOS     34.00  <tranter@_software.mitel.com>
Sparc Sun SS10               SUNOS     34.00  <makler@_man.torun.pl>
Pentium/100                  Win-NT    36.21  <marcus@_healthchex.com>
Sparc Sun Sparcstation2      SUNOS     38.0   <korpela@_ssl.berkeley.edu>
Intel Pentium/100            Beos5     38.50  <hamishpmcwilliam@_netscape.net>
Intel Pentium/100            WinNT4    39.66  <hamishpmcwilliam@_netscape.net>
Intel Pentium/100            FreeBSD   40.32  <hamishpmcwilliam@_netscape.net>
Intel Pentium/100            MSDOS     40.71  <hamishpmcwilliam@_netscape.net>
Mips R4000/100 Indy          (?)       48.00  <p.verwer@_organon.akzonobel.nl>
Mips R4000/100 SGI IndySC    Irix      48.00  <lziegler@_csbsju.edu>
HP-PA 9000-720               HP-UX     48.00  <metod.kozelj@_rzs-hm.si>
Sparc SS10                   SUNOS     48.00  <makler@_man.torun.pl>
IBM RS-6000-250/66           AIX       52.00  <gl23@_e4.hrz.uni-giessen.de>
Sparc Sun Sparcstation10d    SUNOS     54.0   <korpela@_ssl.berkeley.edu>
Sparc SS1000 2CPU            SUNOS     58.00  <gong@_cs.msu.su>
Sparc SS20                   SUNOS     60.00  <makler@_man.torun.pl>
IBM RS6000-250/80            AIX       62.00  <gl23@_e4.hrz.uni-giessen.de>
Alpha 21064/133 Decstation   OSF1      64     <niles@_axp745.gsfc.nasa.gov>
Alpha 21064/133 Dec3000      OSF1      66.00  <daniels@_helplaxp1.harvard.edu>
Sparc Sun SS5                SUNOS     68.00  <tranter@_software.mitel.com>
Sparc Sun SS20               SUNOS     72.00  <tranter@_software.mitel.com>
Sparc Sun SS20/712           Solaris   74     <spohr@_qmos.com>
Mips R4400/150 Challenge     (?)       74.00  <p.verwer@_organon.akzonobel.nl>
Mips R4400/150 Indigo2Extr   (?)       74.00  <p.verwer@_organon.akzonobel.nl>
HP-PA 9000-715               HP-UX     74.00  <metod.kozelj@_rzs-hm.si>
Centaur C6/200               WinNT4    77.00  <hamishpmcwilliam@_netscape.net>
Centaur C6/200               Win98     78.48  <hamishpmcwilliam@_netscape.net>
Centaur C6/200               MSDOS     78.79  <hamishpmcwilliam@_netscape.net>
Centaur C6/200               Win95     78.81  <hamishpmcwilliam@_netscape.net>
Sparc SS5 sun4m              SUNOS     84.00  <chrisv@_allegria.com>
Sparc SS1000E                SUNOS     84.00  <makler@_man.torun.pl>
Alpha                        OSF1      92.00  <petergun@_coffeehaus.com>
Mips R4400/200 Indigo2Extr   (?)       98.00  <p.verwer@_organon.akzonobel.nl>
HP-PA 9000-735/99            HP-UX     98.00  <lankhors@_cs.rug.nl>
Sparc SS5                    SUNOS    104.00  <makler@_man.torun.pl>
Sparc Sun SS4/110            Solaris  108     <spohr@_qmos.com>
Sparc Sun SS4                Solaris  108.00  <jimmy@_typhoeus.dg.uoa.gr>
Sparc Sun SS5                SUNOS    110     <swmike@_uplift.df.lth.se>
Alpha 21064A/233             OSF1     114     <niles@_axp745.gsfc.nasa.gov>
Alpha 3000 21064/300         OSF1     120.00  <gl23@_e4.hrz.uni-giessen.de>
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HP-PA 700/125	HP-UX	122	<niles@_axp745.gsfc.nasa.gov>
HP-PA 9000-735/125	HP-UX	122.00	<lankhors@_cs.rug.nl>
Mips R4600/133 SGI Indy	Irix	132	<lziegler@_csbsju.edu>
MIPS R5000/150	Irix	148.00	<nachiket@_indimax.hydroqual.com>
IBM 6x86	OS/2	149.13	<mikedg@_ghostbbs.pandora.it>
Alpha	OSF1	180.0	<mauger@_ensinfo.univ-nantes.fr>
MIPS R10000/195	Irix	194.00	<nachiket@_indimax.hydroqual.com>
Alpha 21164/333 AS500	OSF1	222.00	<daniels@_helplaxp1.harvard.edu>
Sparc Ultra-1 sun4u	Solaris	254.00	<alternat@_rwth-aachen.de>
PPC604/133 IBM RS6000	AIX	254.00	<kirk-corey@_uiowa.edu>
IBM RS-6000 43P powerpc	AIX	260.00	<gl23@_e4.hrz.uni-giessen.de>
Sparc U-1 sun4u	SunOS	284.00	<gl23@_e4.hrz.uni-giessen.de>
Alpha 21164/433 DPW433au	OSF1	286.00	<daniels@_helplaxp1.harvard.edu>
HP9000-C160/160	HP-UX	316.00	<nicolai@_prz.tu-berlin.de>
Intel Pentium MMX/166	Beos5	327.96	<hamishpmcwilliam@_netscape.net>
Intel Pentium MMX/166	Win98	328.36	<hamishpmcwilliam@_netscape.net>
Sparc Sun US1/170	Solaris	330	<spohr@_qmos.com>
Sparc Sun US1/167	Solaris	330	<jimmy@_typhoeus.dg.uoa.gr>
Intel Pentium MMX/166	WIN95	331.40	<hamishpmcwilliam@_netscape.net>
Sparc Ultra-1 sun4u	SUNOS	334.00	<chrisv@_allegria.com>
Intel Pentium MMX/166	MSDOS	336.93	<hamishpmcwilliam@_netscape.net>
Alpha 3000-600S	VMS	348.61	<metod.kozelj@_rzs-hm.si>
AMD Duron/750	BeOS5	372.05	<hamishpmcwilliam@_netscape.net>
Alpha server 1000-4/200	VMS	397.68	<metod.kozelj@_rzs-hm.si>
Sparc Sun-Ultra30/248	Solaris	482.00	<marc.Quinton@_stna.dgac.fr>
Intel Celeron/500	MSDOS	488.55	<hamishpmcwilliam@_netscape.net>
Intel Celeron/500	BeOS5	494.81	<hamishpmcwilliam@_netscape.net>
Intel Celeron/500	WinNT4	496.18	<hamishpmcwilliam@_netscape.net>
Alpha 21164A/533 PC164LX	NetBSD	531.55	<hamishpmcwilliam@_netscape.net>
Pentium II/350	Win2000	573.00	<benjy@_kateandbenjy.com>
Sparc US2/296 2cpu	SUNOS	596.00	<manu@_acm.org>
AMD Duron/750	MSDOS	723.78	<hamishpmcwilliam@_netscape.net>
AMD Duron/750	Win98	745.65	<hamishpmcwilliam@_netscape.net>
PowerPC G3/600	MacOSX	789.51	<hamishpmcwilliam@_netscape.net>
Intel Pentium III/800	Win98	795.36	<hamishpmcwilliam@_netscape.net>
Intel Pentium III/800	MSDOS	814.25	<hamishpmcwilliam@_netscape.net>
Intel Pentium III/866	MSDOS	849.65	<hamishpmcwilliam@_netscape.net>
Cray J90 Y-MP/100 16cpu	Unicos	912.00	<lankhors@_cs.rug.nl>
Sequent Symmetry 6xP5/166	Dynix	984.00	<omega@_sequent.com>
Sequent Symmetry 16xP5/66	Dynix	1056.00	<omega@_sequent.com>
HP9000-C160/160	HP-UX	1278.00	<nicolai@_prz.tu-berlin.de>
Sequent NUMA-Q 12x P6/180	Dynix	1416.00	<omega@_sequent.com>
Pentium III/800	Win NT	2267.00	<benjy@_kateandbenjy.com>
Sequent NUMA-Q 32x P6/180	Dynix	3776.00	<omega@_sequent.com>

5. Signature

Isolde has now entered the age where reading and sending e−mail is so paramount that Dad must hand in his laptop during all daytime for this purpose. And if she isn't at it, her brother Roderick can spent the rest of the daylight time (and nighttime if we would allow him) at computer games, fortunately of the age−nine−approved type. But his is being caught up by his little sister, who now at the age of six can read all Dutch words that come before her eyes, on whichever medium, just like her siblings. Where did they get these voracious reading habits? Would having 500+ books in the living room have anything to do with it?

Met vriendelijke groeten, Wim 'Dad' van Dorst.

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Wim van Dorst, Clifton Scientific Text Services, tel/fax +31 355 242 319
                   This sentence have three erors
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